

19990316.qrp v01_n397.qrl.990316

Date: Tue, 16 Mar 1999 19:03:15 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1397

QRP-L Digest 1397

Topics covered in this issue include:

- 1) [35630] Correct response to QRL?
by dave.g0dja@psilink.co.uk (Dave Ackrill)
- 2) [35631] RE: 'You're not in the book...'
by dave.g0dja@psilink.co.uk (Dave Ackrill)
- 3) [35632] Legal Callsigns
by dave.g0dja@psilink.co.uk (Dave Ackrill)
- 4) [35633] Re: Portable Chair Found!!!!
by Ed Loranger <we6w@qsl.net>
- 5) [35634] Transistor Data
by Larry East <w1hue@amsat.org>
- 6) [35635] keyboard possibility
by "Mark Paley" <mpaley@wcnet.org>
- 7) [35636] Re: Correct response to QRL?
by McCulloch <tmccullo@suffolk.lib.ny.us>
- 8) [35637] Re: Ft. Tuthill....When? Ft. Smith....Fun
by Joe Gervais <vole@primenet.com>
- 9) [35638] Re: Portable Chair Found!!!!
by James Skalski <jskalski@localnet.com>
- 10) [35639] Re: keyboard possibility
by Jeff Johns <jeffj@scott.net>
- 11) [35640] Re: Portable Chair Found!!!!
by The Phreique <slombard@primenet.com>
- 12) [35641] Fw: RE: NorCal 20 qrp rig
by "William H. Hays" <wj5o@juno.com>
- 13) [35642] Re: Test Equipment
by Michael Melland <badger@vbe.com>
- 14) [35643] Selling Epiphyte
by James D Cronin <jim_cronin@juno.com>
- 15) [35644] Funkamateurs DL-QRP-PA
by J38AL@aol.com
- 16) [35645] Re: Portable Chair Found!!!!
by "Francis Callahan" <colcal@srv.net>
- 17) [35646] re: Atlanticon daze
by Charles Kadesch <chas@digizen.net>
- 18) [35647] Re: Correct response to QRL?
by Steve <smann@advi.net>
- 19) [35648] Re: Portable Chair Found!!!!

- by Ron Keener <rkeener@realtime.net>
- 20) [35649] Re: Transistor Data
by "Radman" <radman@best.com>
- 21) [35650] Re: Portable Chair Found!!!!
by elawson@lr.net (Ed Lawson)
- 22) [35651] What receiver do you recommend
by Bradford D Bilbrey <bigdawg74@juno.com>
- 23) [35652] Re: Help
by af852@rgfn.epcc.edu (William R Colbert)
- 24) [35653] Re: Help
by w4bws@juno.com
- 25) [35654] re: FYBO '99 RESULTS! (Long)
by Michael C Boatright <ko4wx@mindspring.com>
- 26) [35655] REPAIR JOB: Part V, Aw what the heck, make a QSO!
by "Paul R. Valko" <prvalko@oakland.edu>
- 27) [35656] Achtung
by "Walter D. Amos" <waltk8cv@surfree.com>
- 28) [35657] antenna restrictions
by Lynn Simons <lsimons1@ix.netcom.com>
- 29) [35658] Re: Ruminations about QRP Monoband Rigs
by "Walter D. Amos" <waltk8cv@surfree.com>
- 30) [35659] RE: Test Equipment
by "Ed Tanton" <n4xy@mindspring.com>
- 31) [35660] Heat sink?
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
- 32) [35661] Schematic Needed
by "Dan Trigilio" <danjt@cruzio.com>
- 33) [35662] Re: Heat sink?
by "George Heron" <gheron@nac.net>
- 34) [35663] NC20 LPF Story, Fix, and Mod.
by "David D. Meacham" <ddm@datatamers.com>
- 35) [35664] NC20 notes
by kellner@acsys.com (Richard Kellner)
- 36) [35665] My Norcal 20 Lives and HOW:
by "Lawrence T. Owens" <w4dec@dibbs.net>
- 37) [35666] 160 meter Carolina Windom
by Joe <w0joe@tabby.cooldude.com>
- 38) [35667] QRPTTF '99 Rules on NorCal's Website
by Joe Gervais <vole@primenet.com>
- 39) [35668] the \$5 ant, 1 watt, a goal & a question
by Rod Cercone <rwc@frii.com>
- 40) [35669] QRP SOLAR PWR: WEBPAGE
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 41) [35670] Spring Shack Cleaning
by David Corkran <dcork@sl001.infi.net>
- 42) [35671] Re: QRPTTF '99 Rules on NorCal's Website
by malman@world.std.com (joel malman)
- 43) [35672] WHY?? (LACK OF REPLY E-MAIL ADDRESSES)

by Brad Bradfield <b_bradfield@yahoo.com>
44) [35673] Re: Portable Chair Found!!!!
by K2UD@aol.com
45) [35674] Re: keyboard possibility (100LX)
by "Radman" <radman@best.com>
46) [35675] Jason (McAllister?) of Texas
by ka7you@juno.com
47) [35676] NC20 fun
by Wayne A Smith <k8ff@juno.com>
48) [35677] Re: keyboard possibility (100LX)
by Jeff Johns <jeffj@scott.net>
49) [35678] Now info on IC-706MKII, Alinco DX-70T
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
50) [35679] Half-squares
by "Jeff Logullo - SE Sun St. Louis" <Jeff.Logullo@Central.Sun.COM>
51) [35680] Re: antenna restrictions
by Bruce Kizerian <kizerian@ced.utah.edu>
52) [35681] NC20 Another problem solved - long
by "Edward A Kwik jr" <eakwikjr@hti.com>
53) [35682] Re: antenna restrictions
by Roger Hightower <n7kt@earthlink.net>
54) [35683] RE: NC20 Another problem solved
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
55) [35684] First Field Day.....
by "J. Eric Jessen" <E.Jessen@orion-consulting.com>
56) [35685] Re: NC20 Another problem solved - long
by kkanalz@optelinc.com
57) [35686] Re: Ruminations about QRP Monoband Rigs
by "Steven Weber" <kd1jv@moose.ncia.net>
58) [35687] Re: NC20 Another problem solved
by "Mike Yetsko" <myetsko@insydesw.com>
59) [35688] Re: QRPTTF '99 Rules on NorCal's Website
by Joe Gervais <vole@primenet.com>
60) [35689] Re: Ruminations about QRP Monoband Rigs
by Jeff Johns <jeffj@scott.net>
61) [35690] Re: First Field Day.....
by Arjen Raateland <Arjen.Raateland@vyh.fi>
62) [35691] Re: Portable Chair Found!!!!
by Ed Loranger <we6w@qsl.net>
63) [35692] K2 SSB Breaks pile up!; Fever hits 100 ; I feel great! <long>
by "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
64) [35693] Recalculated ->Recirculated air: oops!
by "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
65) [35694] Re: Ft. Tuthill....When? Ft. Smith....Fun
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
66) [35695] Metering Question
by "Tom Moll" <tomm@xata.com>
67) [35696] Re: antenna restrictions

by Roger Hightower <n7kt@earthlink.net>
68) [35697] Re: Ruminations about QRP Monoband Rigs
by "Caitlyn M. Martin" <cait.martin@ibm.net>
69) [35698] TRADE(only): NC20 kit toward W.R. Sierra
by Allan G Taylor <k7gt@arrl.net>
70) [35699] Re: NC20 Another problem solved
by "Tony Fishpool" <g4wif@btinternet.com>
71) [35700] OHR-500 es cross-band SW AM BC hetrodynes...?
by =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
72) [35701] REPAIR JOB: Part VI, A Clew!
by "Michael A. Gipe" <mgipe@reliablemeters.com>
73) [35702] Component help
by Bob Hightower <ki7mn@extremezone.com>
74) [35703] SPICE
by "Fishman, Clark [AMSTA-AR-FSF-I]" <cfishman@pica.army.mil>
75) [35704] Re: First Field Day.....
by Jim Lowman <jmlowman@ix.netcom.com>
76) [35705] K2 and NC20 on-air reports
by "Michael A. Gipe" <mgipe@reliablemeters.com>
77) [35706] Re: SPICE (free PSpice)
by "Radman" <radman@best.com>
78) [35707] RE: NC20 Another problem solved
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
79) [35708] FW: First Field Day.....
by "J. Eric Jessen" <E.Jessen@orion-consulting.com>
80) [35709] Re: K2 and NC20 on-air reports
by "Steve Sorrell" <ap036@detroit.freenet.org>
81) [35710] Re: K2 and NC20 on-air reports
by Roy <marion@montana.com>
82) [35711] Re: WHY?? (LACK OF REPLY E-MAIL ADDRESSES)
by af852@rgfn.epcc.edu (William R Colbert)
83) [35712] Seen A QRPer burst?
by malman@world.std.com (joel malman)
84) [35713] Re: Ft. Tuthill....When? Ft. Smith....Fun
by Jay Bromley <w5jay@alltel.net>
85) [35714] Re: K2 and NC20 on-air reports
by "Bruce Prior" <n7rr@hotmail.com>
86) [35715] NC20
by tom whalen <wb5qyt@eFortress.com>
87) [35716] Re: WHY?? (LACK OF REPLY E-MAIL ADDRESSES)
by lujce@Lehigh.EDU
88) [35717] Re: Portable Chair Found!!!!
by "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>
89) [35718] Red Hot 40 Transceiver Photos
by Chuck Adams <adams@ticnet.com>
90) [35719] Re: Component Help
by Bob Hightower <ki7mn@extremezone.com>
91) [35720] Desoldering stuff

- by "J. Eric Jessen" <E.Jessen@orion-consulting.com>
- 92) [35721] Re: Riley gets another one!!
by N7YA@aol.com
- 93) [35722] Re: Results of my QRP-1/ARRL survey.
by Bob Kellogg <ae4ic@nr.infi.net>
- 94) [35723] Diode Questions....
by KB90CE@aol.com
- 95) [35724] Re: Results of my QRP-1/ARRL survey.
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 96) [35725] Why we're on 14.060
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 97) [35726] Ten Tec 225 power supply for sale
by Jim Hale <kj5tf@yahoo.com>
- 98) [35727] NC20 AGC Problem
by Rick Tavan <tavan@tibco.com>
- 99) [35728] QRPTTF - Taking Requests
by "Ed Hare, W1RFI" <w1rfi@arrl.net>

Date: Tue, 16 Mar 1999 00:07:50 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-1@lehigh.edu
Subject: [35630] Correct response to QRL?
Message-ID: <E10MhKs-0006oi-00@relay3.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>That kind of reminds me of the time I was in a nice QSO when I heard someone
>come on frequency and send "QRL?". So, I sent "C" which means "yes" (or so
>I've read many times.) The other op sent ?, so I responded with another "C".
>He sent "what is C ?"

I have to admit that when i send 'QRL?', I usually expect to hear either
nothing (if the frequency is clear) or the response 'QRL', without the
question mark.

However, experience tells me that what usually happens is I send 'QRL?' a
couple of times, then start to call CQ, only to be abused by someone who
claims the frequency is theirs and I should 'go away'.....

Cheers de Dave (G0DJA)

Date: Tue, 16 Mar 1999 00:07:47 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)

To: qrp-1@lehigh.edu
Subject: [35631] RE: 'You're not in the book...'
Message-ID: <E10MhKp-0006oi-00@relay3.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>He refused to give his call, and instead sent, "My book is 97, and u are
not >in book. Pirate?"

This person would have 'great fun' looking up callsigns in the UK callbook!

There are a lot of legitimate calls which are marked as 'Details Withheld at
Licensees request', which is a legitimate entry.

Then, I've also known callsigns that are missing from callbooks due to
printing errors, editing problems etc.

Finally, since many countries, such as the UK, have annual fees to be paid,
how would they know if I had paid this year?

As far as GQRP contacts go, I try to mark them off in the annual Members
Handbook, but often end up adding the names, callsigns and club numbers in
when I work them as the year goes on.

Cheers de Dave (G0DJA)

Date: Tue, 16 Mar 1999 00:07:52 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-1@lehigh.edu
Subject: [35632] Legal Callsigns
Message-ID: <E10MhKt-0006oi-00@relay3.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Caity
>KU4QD
>(who was accused of being a bootlegger several times when she first got
>licensed :)

Over here several new styles of callsign are being issued, with, I'm told,
the usual confusion and accusations of 'Pirate' being heard when they are used!

For instance, we have a Novice licence in the UK now, but the callsign
begins with the number '2' and not 'G'. Followed by a letter which tells
you where that station is located. So, 2E0XYZ would be a Novice (hence

number 2) in England (E in callsign) who has passed a 5 WPM Morse test and can operate on some parts of the HF bands (hence the number Zero after the 'E'). The last three digits being their unique identifier. FYI, a '2E1***' callsign is for novices on VHF, who do not need to pass the 5 WPM test. Since all novices are restricted to 3 Watts RF, you can be sure of a two way QRP QSO if you hear one. :o)

Now, as well as all that, they've stopped issuing 'G' callsigns and now issue callsigns beginning with 'M'. Great fun listenning to those who don't know arguing with the people who have the new M callsigns that they are pirates, because there is no such prefix!

I also remember explaining to a friend of mine, back when G6 plus 3 letters (mine was G6VMQ) callsigns were VHF only calls, that the G6 plus two letter station he had heard was a legitiate callsign to be on HF, being one of the pre-war issue.

But, if you've never heard one before, how would you know?

Cheers de Dave (G0DJA)

Date: Tue, 16 Mar 1999 00:14:07 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [35633] Re: Portable Chair Found!!!!
Message-ID: <36EDA24F.7C66@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry gang, in my haste I left out a few items.

First, the chair is lighter than my mom's purse :)
And "B", it is the "Comfort Quad" chair. Don't get their stadium chair. The 'Comfort Quad' has legs on it and the other chair does not.

They also have a Lounge chair I was eyeing.

Heavy duty chairs that fold up/out like a transposed and inverted umbrella. Black anodized painted legs appear to be from aircraft aluminum.

No parts to align. 5 seconds from pouch to sitting.

5 seconds from sitting to storage.

This one has made it onto my "best of the best" list.

Along with Nu Finish car polish.

OK. That's enuf of my commercials.

G'nite. Ed we6w/6

--

-Ed AR QRP Millennium QSO's=518/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Mon, 15 Mar 1999 17:12:20 -0700
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [35634] Transistor Data
Message-ID: <3.0.3.32.19990315171220.0093aea0@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone know where I can find a data sheet for a 2SC1947? I used to have a bookmark for a site that had specs on just about any transistor made but I changed Netscape versions and now I can't find it... :-(

Thanks & 72,
Larry W1HUE

Date: Mon, 15 Mar 1999 19:29:25 -0500
From: "Mark Paley" <mpaley@wcnet.org>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [35635] keyboard possibility
Message-ID: <005901be6f44\$0c641f20\$eaab85cd@mpaley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay, here's the deal: I have a MFJ-451 keyboard keyer. Along with it is the cumbersome standard sized keyboard measuring some 6 by 18 inches. However I have an HP 100 LX palmtop and would like to hook it up to the

keyer. Only problem is this: the socket for the keyboard cable is a 5 pin DIN type. Is there such an animal for the HP 100LX? If not, has anyone out there hooked up a palmtop like this to a keyer unit?

Oh I know, you'll say why not just send and receive like most everyone else--just use a key and keep things simple. Well, I could do that but I just want to find another use for my old 100LX which doesn't get much use these days.

Mark Paley--KF8KL--

mpaley@wcnet.org

ARS #505

QRP-L #1899

Date: Mon, 15 Mar 1999 19:30:01 -0500 (EST)
From: McCulloch <tmccullo@suffolk.lib.ny.us>
To: Dave Ackrill <dave.g@dja@psilink.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35636] Re: Correct response to QRL?
Message-ID: <Pine.SOL.3.95.990315192621.16089A-100000@bookworm>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Been following this thread with interest and to be honest I always send back QRL with the "?". However, any response would indicate to me that the frequency was, in fact in use. Now that I read the one fellow say he sends "N" if he's reading the mail and here's QRL?, I'll have to re-think this. The "N" makes sense to me.

Looking forward to hearing what the consensus will be.

Tom

WB2QDG

On Tue, 16 Mar 1999, Dave Ackrill wrote:

> >That kind of reminds me of the time I was in a nice QSO when I heard someone
> >come on frequency and send "QRL?". So, I sent "C" which means "yes" (or so
> >I've read many times.) The other op sent ?, so I responded with another "C".
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> I have to admit that when i send 'QRL?', I usually expect to hear either
> nothing (if the frequency is clear) or the response 'QRL', without the
> question mark.

>
> However, experience tells me that what usually happens is I send 'QRL?' a
> couple of times, then start to call CQ, only to be abused by someone who
> claims the frequency is theirs and I should 'go away'.....
>
> Cheers de Dave (G0DJA)
>

Date: Mon, 15 Mar 1999 17:40:55 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [35637] Re: Ft. Tuthill.....When? Ft. Smith....Fun
Message-ID: <199903160040.RAA19961@usr07.primenet.com>

Clif (AB5UA) wrote:

>
> Tuthill, July 24-25? Maybe, just maybe. It seems that my wife is
> going to San Antonio, for a class that week.

Yep, the Ft. Tuthill Hamfest / QRP 'Fest is set for
July 23-25. We're just staying quiet because we don't
want to interfere with Atlanticon promos. (Wish I could
go!) Expect the usual barrage in a month. ;-)

Got a great lineup of speakers, and various QRP vendors
who may just show up for the fun vs. setting up a booth.
It's as informal as you can get without requiring togas
and bermuda shorts! Gathering in the pine forests of
Flagstaff at 7,000 ft ain't a bad way to spend a summer
weekend. :)

The Adventure Radio Society's "Flight of the Bumblebees"
is that same Sunday, so you can head off into the mountains
after the 'Fest and catch some high-altitude Bee action
too!

> Pizza is on Joe, and the root beer is on me!

Oh sure, volunteer me for the expensive option. ;-)
OK gang, who wants anchovies?

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 15 Mar 1999 19:52:01 -0500 (EST)
From: James Skalski <jskalski@localnet.com>
To: Ed Loranger <we6w@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35638] Re: Portable Chair Found!!!!
Message-ID:
<Pine.LNX.4.04.9903151950170.22348-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 16 Mar 1999, Ed Loranger wrote:

> First, the chair is lighter than my mom's purse :)

Now that is a mental image I could have done without...you and your mom's
purse :-))

Jim n2go

Date: Mon, 15 Mar 1999 18:58:16 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35639] Re: keyboard possibility
Message-ID: <199903160058.SAA24658x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 15 Mar 1999 19:29:25 -0500, "Mark Paley" <mpaley@wcnet.org> wrote:

> Okay, here's the deal: I have a MFJ-451 keyboard keyer. Along with it is
> the cumbersome standard sized keyboard measuring some 6 by 18 inches.
> However I have an HP 100 LX palmtop and would like to hook it up to the
> keyer. Only problem is this: the socket for the keyboard cable is a 5 pin
> DIN type. Is there such an animal for the HP 100LX? If not, has anyone out
> there hooked up a palmtop like this to a keyer unit?

Just use the cable from your Connectivity Pack or you can buy the hood and little pins from DigiKey or contact either Sheir Systems www.sheir.com or Thaddeus Computing www.thaddeus.com

You'll also find the driver software you need at www.palmtop.net/super.html I forget the name of the program but it's one that allows you to hook the LX up to a 'big' machine and everything you type is sent to the 'big' machine, I think it works excellent in this situation or maybe the built in terminal software would do the trick, in case you don't know, the serial port (not the PC card slot) is comm1.

> Oh I know, you'll say why not just send and receive like most everyone
> else--just use a key and keep things simple. Well, I could do that but I
> just want to find another use for my old 100LX which doesn't get much use
> these days.

Shame on you for not using it as much as you should <grin>. I'm writing this email on my 200LX right now and it's basically the only computer that I use!

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 15 Mar 1999 18:00:34 -0700 (MST)
From: The Phreique <slombard@primenet.com>
To: Ed Loranger <we6w@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35640] Re: Portable Chair Found!!!!
Message-ID: <Pine.BSI.3.96.990315175955.1026B-1000000@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Only \$10. Wow! I need a chair for the hamshack/bedroom. This looks like what I'm looking for.

On Mon, 15 Mar 1999, Ed Loranger wrote:

> Friends, I can't believe I didn't share this news first
> thing this morning.
>

> Must be that "memory" thing going....
>
> Anyway. \$10.00 + Tax at "TARGET" stores.
>
> This is an amazing chair!!!! Complete with the back support.
> It folds up like a spider and fits in a straight, draw-string
> sack with a keeper on the string, so no tying.
>
> The transportable size about the same as a two person pup-tent.
>
> Easy carrying strap sewn into the sack. This thing is cool!
>
> They had choice of Blue, green, or Black chairs. Of course
> I always get Black.... goes with everything :)
>
> HIGHLY Recommended chair.
>
> I am one very happy camper. Everyone I showed this chair to is
> buying one today.
>
>
> I know ARS at natworld.com had some request for a trail friendly
> chair. I think this one might be it.
>
> I HAVE NO additional information. No connection with any commercial
> interests anywhere.
>
> Just a frugal ham sharing his discovery.
>
> If you need a great chair, backpackable, this is A MUST BUY!
> -Ed
> --
> -Ed AR QRP Millennium QSO's=518/2000
> 72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
> QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006
>

Date: Mon, 15 Mar 1999 18:28:27 cst
From: "William H. Hays" <wj5o@juno.com>
To: QRP-L@LEHIGH.EDU
Subject: [35641] Fw: RE: NorCal 20 qrp rig
Message-ID: <19990315.190005.-74789.1.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

----- Forwarded message -----

From: "PATHFINDER, RADIO" <RADIO.PATHFINDER@smtpgw.msc.navy.mil>
To: ",William H. Hays " <wj5o@juno.com>
Date: Mon, 15 Mar 1999 14:40:00 -0500
Subject: RE: NorCal 20 qrp rig
Message-ID: <199903151839.NAA16905@firewall.msc.navy.mil>

Bill,

Can you pass a message on to QRP-1 -- I do not have access to
qrp-1 on the ship. Have you built the NorCal 20??? Anyone you
know who's building the rig?

"Would like to e-mail someone currently building or has recently
built the NorCal 20. No access to qrp-1 but e-mail ok direct.
Would like to compare notes..."

Radio.Pathfinder@smtpgw.msc.navy.mil

Ken
N4SO
USNS PATHFINDER
NGKK

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 15 Mar 1999 19:05:56 -0600
From: Michael Melland <badger@vbe.com>
To: jeffj@scott.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35642] Re: Test Equipment
Message-ID: <36EDAE74.76B8@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff,

Test equipment is like a sickness..... or my wife's theory regarding the one with the most fabric when she dies wins. I have equipped my hobby shop with quite a bit of very nice "vintage" test equipment for not lots of cash..... and everything is calibrated too. I'd suggest a used oscilloscope, good DMM (which you have), a more sensitive frequency counter would be useful (more sensitivity for small signals) I have both a Radio Shack and MFJ Analyzer but neither compares to my \$100 surplus HP 5245L in accuracy or weight <grin>. By "good" (HP, Boonton, Tektronix, Keithley, Singer/Gertsch, and even ...sometimes BK Precision test gear..... old really does NOT equate to bad.... just be careful what you buy, make sure it works FB,..... most reputable surplus firms (like Lew Coppes in AZ) give a 30 day money back deal. 1970/80 vintage \$9,000 test gear can be purchased for about \$300 if you know where to look. And don't forget the venerable HP400H (AC) and HP412A (DC) VTVM's either..... go for between \$25 and \$45 here and still when "tuned" rival today's lab quality instruments.

--

Michael Melland, W9WIS
Winneconne, Wisconsin, USA
FISTS #4387, 10-10 #69281, QRP-L #1656,
QRP-ARCI #9875, AK/QRP #478
CW, SSB, and Electronics
List Administrator: grundig@qth.net
<http://www.qsl.net/w9wis>

Date: Mon, 15 Mar 1999 20:18:07 -0500
From: James D Cronin <jim_cronin@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [35643] Selling Epiphyte
Message-ID: <19990315.201808.-1003441.2.Jim_Cronin@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A local ham made up a bunch of Epiphyte 80-meter SSB transceiver kits. I got one and then lost interest. It is now for sale. It includes the PC board, all parts and a copy of the instructions. You supply a suitable metal minibox.

\$50 shipped to lower 48 states or \$45 picked up in Rochester, NY.
Reply via email or call Jim at 716-231-2417 (work) or 716-381-3102 (home
before 9 EST).

Thanks and 73,
Jim N2VNO

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 15 Mar 1999 20:18:48 EST
From: J38AL@aol.com
To: qrp-1@lehigh.edu
Subject: [35644] Funkamateur DL-QRP-PA
Message-ID: <d47198a2.36edb178@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPeople,

Got my amp kit today from Funkamateur and it looks great! Only problem is that
the instructions are in German and thats not my other language. But the English
version should be on there web page by the end of the week. Got so many kits
now it's hard to figure out what one to build next. NC20 is finally finished
except for xmitter adjustments.

72 A1 N2ZHS
Scotia, NY

Date: Mon, 15 Mar 1999 18:25:40 -0800
From: "Francis Callahan" <colcal@srv.net>
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35645] Re: Portable Chair Found!!!!
Message-ID: <199903160131.SAA08211@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Same chair is available at Sams K Mart and K mart and are really
ecmfortable as we have used them for a year now 72 Cal KF7ET Shelley Idaho
Potato Captial of the World

> From: Ed Loranger <we6w@qsl.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Portable Chair Found!!!!
> Date: Monday, March 15, 1999 3:09 PM
>
> Friends, I can't believe I didn't share this news first
> thing this morning.
>
> Must be that "memory" thing going....
>
> Anyway. \$10.00 + Tax at "TARGET" stores.
>
> This is an amazing chair!!! Complete with the back support.
> It folds up like a spider and fits in a straight, draw-string
> sack with a keeper on the string, so no tying.
>
> The transportable size about the same as a two person pup-tent.
>
> Easy carrying strap sewn into the sack. This thing is cool!
>
> They had choice of Blue, green, or Black chairs. Of course
> I always get Black.... goes with everything :)
>
> HIGHLY Recommended chair.
>
> I am one very happy camper. Everyone I showed this chair to is
> buying one today.
>
>
> I know ARS at natworld.com had some request for a trail friendly
> chair. I think this one might be it.
>
> I HAVE NO additional information. No connection with any commercial
> interests anywhere.
>
> Just a frugal ham sharing his discovery.
>
> If you need a great chair, backpackable, this is A MUST BUY!
> -Ed
> --
> -Ed AR QRP Millennium QSO's=518/2000
> 72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
> QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Mon, 15 Mar 1999 19:58:54 -0800
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@lehigh.edu
Subject: [35646] re: Atlanticon daze
Message-ID: <36EDD6FE.2409@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

And don't forget Babe Ruth's birthplace and boyhood home near Camden Yards with lots of neat baseball memorabilia , and the Edgar Allan Poe ("quoth the raven, 'never more'") memorial- where a mysterious stranger in a black cloak leaves a single rose on his birthday every year, and the fabulous B&O Railroad Museum- are all within easy reach in Baltimore.
-72 de Chas W3KC-
PS: I don't work for the Chamber of Commerce- I just like the city.

Date: Mon, 15 Mar 1999 20:45:56 -0500
From: Steve <smann@advi.net>
To: QRP-L@lehigh.edu
Subject: [35647] Re: Correct response to QRL?
Message-ID: <36EDB7D4.1A79@advi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I agree 100% with Dave.

Examples from my old "Radiotelegraph Operators Q and A Manual":

QRS? Shall I send slower?
QRS Send slower.

QRP? Shall I decrease power?
QRP Decrease power.

QRL? Are you busy?
QRL I am busy.

However, I'm comfortable with a "C", a "dit dit", or any reply to

confirm the frequency is in use.

Steve, N4EY
TOAST, NC

> >

> > I have to admit that when i send 'QRL?', I usually expect to hear either
> > nothing (if the frequency is clear) or the response 'QRL', without the
> > question mark.

> > Cheers de Dave (G0DJJA)

Date: Mon, 15 Mar 1999 19:48:20 -0600
From: Ron Keener <rkeener@realtime.net>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35648] Re: Portable Chair Found!!!!
Message-ID: <36EDB864.2BB6@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

ed - those chairs are great!! - i have been using one for over a year -
got it at Sam's for \$8.95 (in green - matches the grass) - i carry it
out to the pasture when i am guarding my goats from predators

one word of advice - periodically tighten the screws that hold the foot
plate into the tubing - those screws loosen up and fall out easily

--

ron keener (in the beautiful Texas hill country near Austin, Texas)

* MidAmerica Breeding Technology
* Using Technology to Enhance Your Breeding Program
*
* ID-1 natural colostrum based immune system stimulant
* available as liquid or powder
* <http://www.colostrum.com>
*
* Ovatec electronic heat cycle detection
* BirthAlert beeps you at foaling time
* SureFeed stops those wasteful feed slingers
* <http://www.eamproducts.com>

*
 * AlertoMast electronically detects mastitis in 2 seconds
 *
 * miniature longhaired Tennessee Stiffleg (fainting) goats
 * home of Zeigy - Anheuser Busch ZeigenBock beer mascot goat
 * <http://www.hopnotes.com>
 *
 * Great Pyrenees guardian dogs
 *
 * join my chat room daily at 10:30 PM eastern
 * <http://forums.delphi.com/m/main.asp?sigdir=eamproducts>
 *
 * Amateur radio station WA0REE

 Date: Mon, 15 Mar 1999 17:58:19 -0800
 From: "Radman" <radman@best.com>
 To: <w1hue@amsat.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Subject: [35649] Re: Transistor Data
 Message-ID: <199903160155.RAA22774@proxy4.ba.best.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=ISO-8859-1
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

Larry,

The 2SC1947, Mitsubishi Power Transistor, can be found on
 URL:
http://www.mitsubishi-chips.com/data/datasheets/hf-optic/vh_f_discrete.htm

If you get lost, start at mitsubishi.com, select the
 English site, then go to Semiconductor Products & enter an
 "argument" for the device data sheet you want. You'll need
 the Adobe Reader plug-in to read the data sheet.

Quite a site... Mitsu makes *everything* you can
 imagine... :-)

GL es 72 - Conrad - NN6CW

Anyone know where I can find a data sheet for a 2SC1947? I
 used to have a

bookmark for a site that had specs on just about any
transistor made but I
changed Netscape versions and now I can't find it... :-(

Thanks & 72,
Larry W1HUE

Date: Mon, 15 Mar 1999 21:15:32 -0500
From: elawson@lr.net (Ed Lawson)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35650] Re: Portable Chair Found!!!!
Message-ID: <19990316020207.AAA1877@office4.office.new>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Mon, 15 Mar 1999 23:09:58 +0000, Ed Loranger wrote:

>Friends, I can't believe I didn't share this news first
>thing this morning.
>
>
>
>Anyway. \$10.00 + Tax at "TARGET" stores.
>
>This is an amazing chair!!! Complete with the back support.
>It folds up like a spider and fits in a straight, draw-string
>sack with a keeper on the string, so no tying.

My local Wal-Mart stroe is selling such a chair for \$8 and one
that is better made with arms for \$13.

Agree they are great for portable operation.

Ed lawson
K1VP
Too far in the NE Corner for QRP fun

Date: Mon, 15 Mar 1999 19:08:53 -0700
From: Bradford D Bilbrey <bigdawg74@juno.com>

To: qrp-1@Lehigh.EDU
Subject: [35651] What receiver do you recommend
Message-ID: <19990315.190854.12078.0.bigdawg74@juno.com>

Hello all in the list:

I recently posted a request for input about which QRP kit to buy and am very greatfull to all the resposces. For the time being it seems the most economical path I can take is to get a receiver kit for 20 & 15 meters and use a 20m /15m transmitter I picked up at a swap meet a while back for \$5.00. I found a keyer kit from adventure radio that has a T/R function built in. So what do you think, what would be a good receiver kit and thoughts about the Adventure Radio keyer.

Regards
Brad
KE7MU
80 FXWG, QRP-L # 1912, #12 Redwing

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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 15 Mar 1999 19:31:49 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: bmug@gwl.com, qrp-1@lehigh.edu
Subject: [35652] Re: Help
Message-ID: <199903160231.TAA17521@rgfn.epcc.edu>

Hi Brad - the low voltage is going to be in the 250-300 volt range, with the high voltage for the 6146 operating as an oscillator/PA with voltages anywhere from 350-600 volts, with up to 150 ma plate current. The possible use of the 12at7 probably audio driver with voltages from 200-250 to 300 volts to the 6L6, with the 6L6 up to 500 volts. The 6L6 is probably a modulator tube, since you have a mike plug on the transmitter, and may be a Heising modulator - i.e. choke coupled to the 6146. Modulated the 6146 will operate well up to about 50-60 watts, cw up to 90 watts, hence the differences in the plate voltage requirements. You might look for an old Heathkit HP20 powersupply or a Heathkit HP23 power supply as they will give the necessary voltages. By all means, be careful - the voltages can be fatal. At least set you on your behind. Oh, if you only want to run 25-40 watts, you can replace the 6146 with a 2E26 which only requires up to 400 volts which may be

able to easier to come up with. Hope this helps a bit. You might also, while looking around for parts for the power supply, look for a couple of old ARRL or E & E handbooks from the mid to late 50's, which will have similar equipment. Also, look at the glowbug websites that were listed earlier today on the list as there is some good info there.

73

Ray

--

Hope this goes this time, 3 attempt. Sorry if a repeat.

--

Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Mon, 15 Mar 1999 20:55:00 -0800
From: w4bws@juno.com
To: bmug@gwl.com
Cc: qrp-l@Lehigh.EDU
Subject: [35653] Re: Help
Message-ID: <19990315.213310.-146487.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Brad. There is no standard for home brew radios or any other of that era.

You will have to trace from the filaments of the tubes to the plug and see what pins are 6 volts and what are ground. Also which pins are grid bias and screen voltage. The tube lineup is a bit odd. At first guess I would think the 12AT7 is used as the audio driver for the 6L6 modulator for the 6146.

However, it is not good policy to modulate a one tube oscillator/final(6146) due to pulling the freq and FMing. So I would do the effort to draw the schematic to verify how the rig works. You may find one half of the 12AT7 is the oscillator and the other half is the audio amp for a carbon mike and etc.
Who knows?????

When you will know for sure and can do the appropriate power connections. Rule of thumb, power for the rig will be 500 to 600 vdc for the plate of the 6146 and 6L6, screen voltage about 300 volts and may be from an internal resistive voltage divider. Bias will be minus 30 to 50 volts and may be up to -90 volts with a internal adjustment.

Older issues of the ARRL handbook will have a lot of tube circuits and info for you to help figure it out and a lot of old timers here on the list. best place to plan on AM operation is on the high end of 40 meters on the weekends and some mornings-around 7290 KHZ. Hope this has been of some help. Don W4BWS

On Mon, 15 Mar 1999 08:25:07 -0700 Brad Mugleston <bmug@gwl.com> writes:
>Hi, I'm writing two groups because I know 99% of all the knowledge
>exists in these groups. I'm asking a strange question (at least for
>me). While at a swap fest Saturday I purchased an AM transmitter-
> homebuilt and would like to try to get it on the air. The only problem

>is I'm not sure about the power supply needed. Let me describe the
>radio - this will be a simple description as I haven't had the time to
>get into drawing a complete schematic but will work on it.
>
>OK, it has 3 tubes one each 6146, 6L6 and 12AT7. There are two air
>variable caps (one labeled Load and the other Final) there is also a
>nice air wound coil.
>
>Internally there is one iron wound coil and an iron wound transformer.
> Other than a place to plug a crystal not much else but resistors and
>caps.
>
>The power supply socket is an 8 pin tube socket. Looking at the
>socket from where you would plug into it going clockwise from the key
>pin 7 has a heavier wire going to each of the 3 tubes. There are other
>power connections but I didn't have the chance to trace them down.
>
>Also, on the face of the rig is a nice small mA meter and a switch
>labeled On/Plate.
>
>The MIC plug appears to be a 3 conductor but it is just slightly
>smaller than our current 1/4 plug.
>
>My question - what would be a common power supply for this - i.e. is

>there a good rule of thumb for power values (pin 4 on the 6146, pin 2
>on the 6L6 and pin 2 on the 12AT7 should all be 300 Volts - I just made
>these numbers up but I think you understand what I am looking for).
>
>This rig is very nicely made. The case is hand made and the labels
>are stamped into the metal. Oh, there is a place for a TUNE/OPER
>but the hole has been closed with a plug.
>
>Thanks
>73's
>de KI00T, Brad
>
>

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Mon, 15 Mar 1999 21:56:14 -0500
From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [35654] re: FYBO '99 RESULTS! (Long)
Message-ID: <36EDC84E.E197C5C3@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry I couldn't make it for FYBO. Interesting to me, though, how the
entire contest (100 stations) generated a grand total of less power than
4 "low power" ("normal") contest stations generate (398.57 Watts--not
even enough to warm up a cup of coffee for WQORP)!

72 de Mike, K04WX

--

Mike Boatright, K04WX
Amateur Radio Emergency Service,
District Emergency Coordinator to Georgia Emergency Management Agency

Date: Mon, 15 Mar 1999 22:00:31 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>

To: QRP List <qrp-l@lehigh.edu>
Subject: [35655] REPAIR JOB: Part V, Aw what the heck, make a QSO!
Message-ID: <Pine.OSF.3.95.990315213636.21973B-100000@saturn.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just finished my first ever QSO with the new (and semi-working!) NC-20!

I heard W4DEC/QRP calling a reasonably strong CQ and thought, "What the hell... lets try it."

Larry came right back with a 559. I gave him the same report and said he was my first QSO with a NorCal 20.

Imagine my surprize when Larry also said he was running a NC-20, but has had many many contacts with it, including his first DX this evening! So not only is the first QSO made, it's a two-way NC-20 contact!

Boy, I sure hope the new parts get here quick, that AGC popping nearly deafened me by the time we signed.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Tue, 16 Mar 1999 03:02:27 +0000
From: "Walter D. Amos" <waltk8cv@surfree.com>
To: qrp-l@lehigh.edu
Subject: [35656] Achtung
Message-ID: <36EDC9C3.D5815992@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

WOWSERS

The DL-QRP-PA came today and is that thing SMALL oh, boy!

--

Walt K8CV Royal Oak, Michigan, qrp-l # 935, Zombie # 188 !

"We're just a small sub-group of an eclectic corner of a dying hobby!"

Date: Tue, 16 Mar 1999 03:07:00 -0600
From: Lynn Simons <lsimons1@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [35657] antenna restrictions
Message-ID: <36EE1F34.D832C46E@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all. Can anyone give me the place to find out about the federal law or statute that bars any place including neighborhoods with covenants from preventing you to put up the new satellite dish antennas. I have a friend who is being bothered by his local neighborhood housing board about his.

Thanks in advance.

72,

Lynn, KJ3V

Date: Tue, 16 Mar 1999 03:44:15 +0000
From: "Walter D. Amos" <waltk8cv@surfree.com>
To: n7rr@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35658] Re: Ruminations about QRP Monoband Rigs
Message-ID: <36EDD38F.1EE867A5@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Talk about HOT AIR :-)

--

Walt K8CV Royal Oak, Michigan, qrp-1 # 935, Zombie # 188 !

"We're just a small sub-group of an eclectic corner of a dying hobby!"

Date: Mon, 15 Mar 1999 23:26:42 -0500

From: "Ed Tanton" <n4xy@mindspring.com>
To: <jeffj@scott.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35659] RE: Test Equipment
Message-ID: <001a01be6f65\$31664ac0\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There is nothing more valuable than an oscilloscope Jeff. There are loads of them out there, at great prices. I would ignore the tube types (I don't mean to include the CRT in that) and would look for a nice Tektronix 7600-series 'scope (such as a 7603) with plug-ins, probes, and manuals. Many of them have been on the surplus market for several years, and they are a lot of 'scope / buck. There are a lot of others around-like the 453-series, and the 465-series, but they are really getting old, and getting them fixed would be relatively tough. And because of the huge qty of 7603s the govt released, they really make the others not very good a deal, comparatively.

When you look at a 'scope at a hamfest/wherever you want to try it a little to see what shape the controls are in... put it in AC mode, on its most sensitive voltage setting, with about 1ms on the timebase, and turn back and forth the vertical and horizontal controls... you're looking for major noise-if the trace gets BADLY squirrely, look elsewhere.

Also, from a normal intensity level, turn the intensity/brightness control up slowly and watch the trace... IF somewhere BEFORE the end of the pot's range it brightens to a peak and then gets dimmer as you continue to turn the pot, that's PEAKING... and it means the CRT isn't long for this world. And, unless it's nearly new, do not get a storage 'scope... they can do nice things, but the CRTs are rare, expensive, and short-lived compared to regular CRTs.

Finally, ask about what calibration the seller has performed. Odds are he only used the internal calibrator, and didn't REALLY calibrate it. That's OK... I'd use that as a gate to discern how honest the guy is... if the answer is: "Oh yes, I thoroughly calibrated it" ask "with what?" 9 out of 10 people really don't have the equipment to do a good scope cal. One needs a highly accurate time mark generator, and a calibrated voltage source, both with better than 1% calibration.

The other thing you need is a good multi-purpose L/C-meter. I know you have a DMM, but there are some relatively inexpensive DMMs that include both capacitor and inductance measurement. They are probably not as accurate, but most of the time they are more than accurate enough. SOME of them even measure frequency also.

The HOSFELT has several like that. I have a PROTEK 506 DMM that does all that and a lot more-including an LED backlight, big digits and an analog scale, diode checks, temperature, current from 20A to uA-even AC, logic measurements, dB, a short/not short w/tone, and a couple of audio signals out. Plus, it has an RS-232 interface w/software for cpu interface. I have a Keithley 2000 6.5 digit DMM I use to keep it accurate-but so far it's never really needed it.

Finally, you need a signal generator. If nothing else, get a BC-221. They are almost given away at most hamfests-yet they are really nice signal sources. Their calibration is pretty good (make certain the calibration book comes with it.) You should look for one with an AC supply built-in. OR get one of the DDS synthesizer kits and use it as a signal gen. And there are a lot of the MIL version of the HP-8640 signal gen that is a real jewel... going for ~\$300. The commercial model goes for a good bit more. I suppose its the yellow paint on the MIL model's cabinet!

Finally, somewhere in this you will need to get a frequency counter. There are all sorts of bargains in surplus or Heath counters. You ought to be able to get an excellent counter for \$50 or so at a good hamfest. Make 'em demo it, make certain it changes gating speeds when switched, and that all the segments in all the digits will light. I would get LED or LCD if possible. There are a number of gas discharge counters from Heath and others out there, but they produce a lot of heat, and the display tubes are hard to get-if at all.

Let me know if there's anything I can do to help.

72 / 73 Ed N4XY

Ed Tanton N4XY EMAIL: n4xy@mindspring.com
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
*BoatAnchors *Test Equipment *Photography

~~~~~  
"Think you can, think you can't:  
either way you're right!" Henry Ford  
~~~~~

Date: Mon, 15 Mar 1999 22:31:08 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-l@lehigh.edu>
Subject: [35660] Heat sink?

Message-ID: <000001be6f65\$cfd3d920\$0100a8c0@elwood>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Just wondering if anyone can point me to a source of those nice anodized heat sinks like have come with the FB40 amp kit. Essentially a heavier, machined version of the folded-metal one that comes with the SST, NC20, etc. I'm putting a hot transistor in the SST and with the small enclosure thought I might put one of these on - I've seen them anodized colors (like red, blue, etc.) and that might be pretty spiffy too. Anyhow, any and all information will be nice... Please no "me too" messages - I'll be sure and post the info to the list (if the sender doesn't), so you'll find out right after I do...

73,
Nathan
KB0NNV

Date: Mon, 15 Mar 1999 20:41:49 -0800

From: "Dan Trigilio" <danjt@cruzio.com>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [35661] Schematic Needed

Message-ID: <000701be6f67\$4ef44ae0\$5a82e3a5@n1dt-s-computer>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hello Gang, After attending a Hamswap this weekend I am the owner of a Hallicrafters S-38 receiver. (\$30.00) I was hoping that someone in the group would have a schematic and tuning information for this old dog. It seems to work, but I need to replace the filter caps, etc. I think it would be fun to get it running.

I would be happy to pay for copying and mailing. If you have one please e-mail me direct. Thanks.

GL es 73, Dan W6DAN
Capitola, CA

Date: Mon, 15 Mar 1999 23:53:12 -0500
From: "George Heron" <gheron@nac.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, <nodle01@mail.coin.missouri.edu>
Subject: [35662] Re: Heat sink?
Message-ID: <02af01be6f68\$e7977fa0\$41327bd1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The FB40 Amp heatsink came from Digi-Key, part number HS101-ND, as shown in "figure 8" in their catalog, suitable for TO-5 case up to 2W (continuous), \$0.70 in qtys of 100.

73, George N2APB
 n2apb@amsat.org in Sparta, NJ
 for the NJ-QRP Club at <http://www.njqrp.org>
 see FB40 Amp kit at <http://www.njqrp.org/fireball40/>

>Just wondering if anyone can point me to a source of those
nice anodized
>heat sinks like have come with the FB40 amp kit.

Date: Mon, 15 Mar 1999 20:53:37 -0800 (PST)
From: "David D. Meacham" <ddm@datatamers.com>
To: qrp-l@Lehigh.edu
Subject: [35663] NC20 LPF Story, Fix, and Mod.
Message-ID: <Pine.LNX.3.96.990315200632.13999B-100000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

NC20 Builders:

Several days ago I decided to investigate the TX output filter using Gary Surrency's method of putting a resistor from collector to ground at the PA, and looking in at the BNC jack with an impedance bridge (I used my RF-1). It didn't behave very well! There was a better match *below* 14MHz, not above! Next, I modeled the filter using Wes Hayward's GPLA program (supplied with the book: "Introduction to Radio Frequency Design"). For the inductances of L6 and L7 I used the values for 10T and 9T (0.400uH & 0.325uH) from Mike Czuhajewski's tables in the December 1993 QRPp. The resulting plot showed deep notches at the second and third harmonic frequencies, and otherwise the usual low-pass-filter response, including a decent match in the 14MHz band. This did *not* explain the bad behavior

using Gary's test method.

I should mention here that the output filter in the NC20 is an "elliptical" type with series sections consisting of parallel-tuned "traps", one for the 2nd harmonic and one for the 3rd. At 14MHz these sections look like inductors, preserving the low-pass topology. The "traps" serve to attenuate the 2nd and 3rd harmonics far more than a conventional "half-wave" filter does.

Now back to the problem at hand: I suspected the inductors of causing the poor actual performance of the filter, having had trouble with "-2" (red) cores many times before. They vary far too much in permeability, usually requiring one or two turns to be removed to achieve the inductance specified in the table (I haven't found such a problem with any of the other types of Amidon cores). So, I removed L6 & L7 from the board and measured them at 14MHz with my RF-1. The results were:

9T=0.469uH (want 0.324uH)

10T=0.565uH (want 0.400uH)

These higher-than-desired inductances explained the match below the band, and meant that the traps were tuned below the 2nd & 3rd harmonics, too. Removing two turns from each toroid, and re-distributing the turns around the cores gave the following values:

7T=0.325uH (want 0.324uH)

8T=0.403uH (want 0.400uH)

Close enough! I re-installed the modified inductors, knowing that now the traps would be tuned very close to the 2nd & 3rd harmonics. Using the GPLA program, I also determined that a better match could be had with minor changes to the filter. Changing C80 to 300pF (two 150pF caps in parallel), and omitting C82 did the job (it increased my output by 0.1W, too).

So, if you can measure the inductances of L6 & L7 it may pay to do so, and make the appropriate adjustments. You stand to gain increased harmonic rejection, and, with the capacitor changes, better matching for the PA. If you can't measure L6 & L7, better leave well enough alone!

72, Dave, W6EMD, Redwood City, CA

Date: Mon, 15 Mar 1999 22:51:33 -0700 (MST)
From: kellner@acsys.com (Richard Kellner)

To: qrp-1@Lehigh.EDU
Cc: kellner@acsys.com
Subject: [35664] NC20 notes
Message-ID: <199903160551.WAA01012@acsys.com>

Got the NC20 assembled, tuned up and on the air on Sunday. First QSO was a 589 to Oregon. Second QSO was another NC20 in Ohio, its first day on the air also. Had a report of a slight chirp, so I recharged the battery and back on the air tonight. Called several Russians who were calling CQ in the clear, but no luck. The receiver is very hot, but the AGC is a mite light (my ears are still ringing from several particularly strong stations).

I didn't follow the step-by-step assembly instructions, but put all the resistors and capacitors on first. To assist with that, I took the Excel spreadsheet of parts and sorted by value so I could put all parts of a given value on at once. Also, given a hole on the board you could find the value of part that went in it, and vice versa. Put the panels on last, and that seemed to work very well. It seemed to me that it was pretty tight quarters with the panels on, and it would have been tough to work on parts which were close to the panels if the panels were put on first.

For the 10 turn pot I used a Bourns knobpot. The whole pot fits inside the knob, and there is a nice dial readout on the face of it. Virtually no space is required behind the panel, except for the connections to the pot. These pots are pretty expensive new, but mine was surplus. The pot is black with white numerals on the dial, and makes for a beautiful rig with the custom black case. Also leaves room for more circuitry where the pot would have gone - RTTY would be a natural and I'm waiting for K1EL's K28 chip.

Although the dial readout is not linear with frequency, I find it very useful for knowing where you are on the band. Mine tunes 14.0 - 14.080 and the dial is right on at 14.0 and at 14.040. Roughly 1 KHz tuning per major tick mark on the dial.

Thanks to all the guys at Norcal and elsewhere who contributed to getting the NC20 out. It's a fabulous rig, very good looking, and a joy to operate!

72,
Rich w5rxp

Date: Mon, 15 Mar 1999 23:55:15 -0600

From: "Lawrence T. Owens" <w4dec@dibbs.net>
To: qrp-1@Lehigh.EDU
Subject: [35665] My Norcal 20 Lives and HOW:
Message-ID: <36EDF243.560F@dibbs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Gang:

Finished my Norcal 20 on Thursday March 11th. Went together without any major problems and checked out properly at all check points.

Great engineering from the Norcal 20 gang> Thanks and congratulations to all of you for a great job on this kit. It was quite a challenge for these old eyes. Any of you that has built the Norcal 20 and is thinking about building the K2. Have no fear about doing it. I had the pleasure of seeing the K2 built by K4ZM Jim here in Mobile and the boards are not nearly as crowded and there is plenty of room to work and the construction manual is first class.

Heard Wayne K8FF working Yuri UA90JG this evening and when they finished I gave Yuri a call he didn't get me the first time and had to call him again and we exchanged reports of 549 for him and 439 for me, for my first DX with the Norcal 20. I think that Wayne K8FF was also using the Norcal 20 when he worked him.

Called a CQ up ant 1406 and Paul W8KC came back to me for his first qso with his Norcal 20 Great signal Paul sounded good on this end and sorry that you are having trouble with the AGC.

Made a mistake earlier in the message. Just check my log and found that I had finished the NC20 on Wednesday the 10th of March instead of Thursday and had my first QSO with Warren KG2BI at 2130 and had a nice 10 minute QSO with him.

All in all this is a great little rig and there is a few fine tuning points I would still like to do such as put in the 10 turn pot and an on off switch. AS a Note aside . I have not noticed any VFO drift not have I had any complaints of drift. I did have complaints of a slight chirp but I changed to a larger 7 ampere hour battery and haven't had any more complaints.

Again fellows a great job on this rig. Waiting for the RED Hot 40 and the K2

72,

Larry (W4DEC)

Date: Tue, 16 Mar 1999 00:10:14 -0600 (CST)

From: Joe <w0joe@tabby.cool dude.com>
To: qrp-1@lehigh.edu
Subject: [35666] 160 meter Carolina Windom
Message-ID: <Pine.LNX.4.05.9903160007071.28681-100000@tabby.cool dude.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was wondering what experience anyone might have had with the commercially available 160m Carolina Windom. I am going to put up something that will give me better 160 capabilities. Right now I am running a home brew 80 meter windom, and running a tuner on 160 meters and 15 meters. 80, 40, 20, and 10 are low enough SWR that I don't HAVE to use the tuner, but I usually do, especially if I am running QRP so I get a more accurate power reading and better ears.

W0JOE

Date: Mon, 15 Mar 1999 23:31:53 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [35667] QRPTTF '99 Rules on NorCal's Website
Message-ID: <199903160631.XAA24458@usr09.primenet.com>

Howdy Folks,

Jerry (WA6OWR), Keeper of the NorCal website, has posted the QRPTTF '99 info. Hope to have a summary sheet there soon too. Check it out if you can - Jerry got a little creative. ;-)

<<http://www.fix.net/~jparker/norcal.html>>

Cheers de AB7TT,

-Joe, vole@primenet.com, Random NorCal Contest Critter

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Tue, 16 Mar 1999 00:05:11 -0700
From: Rod Cerkoney <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Folks:

[illegible]

1WATT: I cranked the power down on the NC20 to 1 watt. So far I've QSOed:

Wow! Impressed by these results I decided on...

THE QUESTION: What are the documentation requirements to make WAS QRPp?

4 down & 46 to go!

— — —

72/3 NORC

Rod Cerkoney, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Tue, 16 Mar 1999 02:13:23 -0500
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.edu>
Subject: [35669] QRP SOLAR PWR: WEBPAGE
Message-ID: <07adc1214071039CPIMSSMTPU01@email.msn.com>

Hi everyone. It's 2am on the East Coast and I am listening to Art Bell and surfing around looking for Solar distributors. One that I came upon is www.plastecs.com/index.html lots of neat stuff. Looks like they build it to suit your needs. Solar pwr modules to fit home stereos as well as your qrp stuff too. have fun.
Greg kb2qqm

Date: Tue, 16 Mar 1999 04:02:59 -0500
From: David Corkran <dcork@sl001.infi.net>
To: qrp-l@Lehigh.EDU
Subject: [35670] Spring Shack Cleaning
Message-ID: <103130300b313cd5f4094@[208.136.65.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

It's shack cleaning time.
For Sale

Complete Ten Tec 509 station with matching Calibrator and audio filter, 405 50w amp and 252M 20 amp power supply, new hand mike and the old style desk mike. The 509 is a 9.5 and the accessories are all 10s. Will also throw in a MFJ 945 Antenna tuner in matching Ten Tec case. And yes I have the manuals for everything but the tuner \$450 plus shipping

Ten Tec Century 21 with matching calibrator and 15/10m crystals installed. Sorry, no manuals for this one. Real nice radio. 9.5-10. Closer to a 10. I hate to give this one up \$150 plus shipping.

HeathKit HW7 with PS7 power supply. This one is in ok shape. Case has a

ding on the left upper corner and some scratches . A hard 8 . Electrically it works like a champ off a battery. Noisy on the power supply. (normal) I used it with the Heath HD-1418 Active audio filter. This made for a killer combo. Yes this radio with good audio filtering really worked and the filter kept the side tone from blowing my ears off. \$75 plus shipping. If you want the filter I can make it an even \$100

HeathKit HD-1418 active audio filter. Very good non DSP filter. Works great with the HW7s and other non filter direct conversion receivers. Very nice shape. 9.5 No manual \$40 plus shipping

Murch UT2000A 1kw antenna tuner. I think this is late production. Real nice Green case and dark gray front panel. Very nice stuff inside and out. Will throw in an Amidon balun kit. \$100 plus shipping

Diawa CN-101L cross needle swr meter. Range QRP-legal limit. Like brand new with box and manual. That's if I can find the box. If not like brand new with out the box. \$50 plus shipping

MFJ deluxe electronic keyer. I modified the key lines for use on direct and grid block keying. Can be switched from the front know. I had it hooked up to 4 radios at one point and got tired of having to move the cable if I changed radios. 9 because of the mod. \$45 plus shipping

Benchner chrome base iambic paddles with box like brand new. I have 2. I don't see needing to send with 2 hands any time in the future. \$60 (I think new they are over \$100 now. Go figure)

Yaesu SP980 speaker with audio filter. Nice speaker but to big for my needs. Nice shape 9.5 \$45 obo plus shipping. (Big cabinet/all air)

David Corkran (KE4BAF)
5839 Glen Forest Dr
Falls Church VA 22041-2512
703-933-7976

Old QTH
108 Kingsley Rd SE
Vienna VA 22180-6501

Date: Tue, 16 Mar 1999 04:03:38 -0500 (EST)
From: malman@world.std.com (joel malman)
To: vole@primenet.com

Cc: k1qm@world.std.com, qrp-1@Lehigh.EDU
Subject: [35671] Re: QRPTTF '99 Rules on NorCal's Website
Message-ID: <199903160903.AA05872@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Joe,

The hard thing about QRPTTF, etc plans, for me, is a problem with my group. I don't think I can get them into both TTF and Field Day.

We are a group, of about 15-20: No Code, and TP+'s and HAM wanna 'bees. We are getting ** ALL UP **, for the BIG ONE: Field Day. WE are ALREADY working on antenna installation ideas, and who will be working CW and who will be SSB on 10 meters! All want to play Extra Class .. and use my call.... so, OK we will work that out ...

Not to put down the TTF effort, Bees, etc. They are all GREAT QRP things... But I have a group, for which FD is just what **WE** (all hams) need to get the new folks, into the fold.

And I am working VERY hard to make sure the 'new folks' have a very positive HAM experience, be it QRP or QRO .. I suspect FD fun will not hurt the issue, one way or the other (QRO/QRP). I just want them to have FUN!

But sometimes the QRP/QRO issue is a cloud in the mind of some new folks, just as much as the Code/NC issue might be. I really don't care where the new Hams decide to place their values .. (Code/No Code .. HF/VHF .. QRO, etc). I'm just trying to get them on the air.

It's quite late here, about 4am, as I send this. So please excuse the typos...

Lets make this Field Day ('99) something all new Hams remember!

BTW: DO YOU REMEMBER YOUR FIRST FIELD DAY? Comments.

--

/joel K1QM (Ex-wa1qvm) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Tue, 16 Mar 1999 03:35:58 -0800 (PST)

From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [35672] WHY?? (LACK OF REPLY E-MAIL ADDRESSES)
Message-ID: <19990316113558.10746.rocketmail@send204.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey all you web gurus out there - -

Why is it that when reading the archives at
www.lehigh.edu/lists/archives/qrp-l I no longer have the option of
clicking on the senders e-mail address at the top of a message to send
a reply to that person? Makes it a pain to send a reply. I'm using
both netscape and explorer on two or three different machines, so it
doesn't appear to be related to the browser.

Why, oh why?

Oh, well.

Brad, W5CGH

==

Brad Bradfield, PE	W5CGH	Systems Engineer
(ex WB0CGH)		Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377	SMIRK #4906
ARS #72	Austin QRP Club #e

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 16 Mar 1999 08:04:00 EST
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [35673] Re: Portable Chair Found!!!!
Message-ID: <4e93a386.36ee56c0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

A good thing gets better! You can get two of these chairs for free! Best thing is you don't even have to ask for them. They will be sent to you 2 to 3 months after you purchase your Ford Explorer that you were going to get to put your K2 in. Such a deal!

72

Howard Kraus, K2UD

Date: Tue, 16 Mar 1999 05:54:29 -0800
From: "Radman" <radman@best.com>
To: <mpaley@wcnet.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35674] Re: keyboard possibility (100LX)
Message-ID: <199903161351.FAA12835@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mark writes:

I have a MFJ-451 keyboard keyer. /// I have an HP 100 LX palmtop and would like to hook it up to the keyer. Only problem is this: the socket for the keyboard cable is a 5 pin DIN type. Is there such an animal for the HP 100LX?

Good question :-)) I have a 100LX as well. Seems like the MFJ-451 would be looking for plain vanilla key code... the stuff that a standard PC keyboard delivers to the 5-pin DIN. Certainly, you could use the HP connectivity pack to link to the MFJ... even if you have to homebrew a DB-9 to DIN adapter. But... BIG question is whether the 100-LX can emulate a PC keyboard... seems to me :-()) !!

Let me rephrase: Has anyone succeeded in using an HP-100LX as a stand-alone keyboard for a Windows systems (for example)?

Anyone know the answer?

72 - Conrad - NN6CW ... am I the last to know this is simple ;)?

Date: Tue, 16 Mar 1999 09:06:03 EST
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [35675] Jason (McAllister?) of Texas
Message-ID: <19990316.062454.18455.0.ka7you@juno.com>

Sorry to post to the whole list, but I've had a Juno failure again.
Jason, I've lost your address, Please reply RE: School Radio shipment.
It is boxed and ready to go except Juno has eaten our correspondence.
7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 16 Mar 1999 09:15:56 -0500
From: Wayne A Smith <k8ff@juno.com>
To: qrp-l@lehigh.edu
Subject: [35676] NC20 fun
Message-ID: <19990316.091558.7390.0.k8ff@juno.com>

WOW this NC20 is a great rig!! Here are some of my log entrys for last night:
CX2SR, PY3FMC, UK8IZ, UA90JG, RW0SC, UA9LL and RA9JU plus others.
Looks like lots of DX ahead for this great little box. Can't wait for QRPTTF and ARRL FD.
I've been using my #1 paddle with the wide spacing and solid silver contacts with the NC20, seems like a good combination.

Best regards to all, 72 de Wayne K8FF

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 16 Mar 1999 08:13:33 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35677] Re: keyboard possibility (100LX)
Message-ID: <199903161413.IAA20046x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 16 Mar 1999 05:54:29 -0800, "Radman" <radman@best.com> wrote:

> Let me rephrase: Has anyone succeeded in using an HP-100LX
> as a stand-alone keyboard for a Windows systems (for
> example)?

Window\$. . . yuck. But yes you can use the LX as a keyboard. There is
software at <http://www.palmtop.net/super.html> which will aid you in this.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 16 Mar 1999 08:17:21 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@Lehigh.EDU
Subject: [35678] Now info on IC-706MKII, Alinco DX-70T
Message-ID: <00108EFE.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Folks,

Yesterday, I had asked for opinions on the Kenwood TS-570DG.
I got a bunch of responses, mostly very good.

As usual, this list proves to be a true asset to hams everywhere.
Thank you very much.

Perhaps I could ask your feedback once more. I am considering one
of the following 3 rigs:

Kenwood TS-570DG
Icom IC 706MKII
Alinco DX70TH

All are in the same price range. I am looking for the best bang for
the buck. Not looking for just QRP issues, but overall picture.
Each have their own distinct features. I have QST reviews on each one.
I am again wondering if you could tell me your opinions, war stories,
etc. on these rigs.

I am in digest mode, so direct responses would be appreciated. If the
list is interested, I can post the results/answers after a few days.

Again, thank you for your help. It is good to hear from the trenches
as to how these rigs actually stand up in everyday use. A magazine
review can only do so much.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Tue, 16 Mar 1999 08:46:13 -0600 (CST)
From: "Jeff Logullo - SE Sun St. Louis" <Jeff.Logullo@Central.Sun.COM>
To: qrp-l@lehigh.edu
Subject: [35679] Half-squares
Message-ID: <199903161450.IAA13520@sunarch2.Central.Sun.COM>
MIME-Version: 1.0
Content-Type: TEXT/plain; charset=us-ascii
Content-MD5: UPyaSG6iodpuLaJ0mRh/tg==

Mornin'!

I asked Jim about his half-squares, and he wrote a nice reply.

He suggested that it be put to QRP-L, and I thought it was pretty considerate that he left it to me to decide. Nice touch! Thanks, Jim!

---Jeff Logullo wrote:---

>Say Jim, how do you like your halvesquares?

>

>I've never used one but have always wanted to give 'em a spin...

As u can tell i put up one antenna for each band. I prune each antenna for best SWR (1.1)

on the CW QRP freq for the most part. Except 10M and there i let some SSB inthere hi !

All antennas are site dependant, and depend on what band you like - Love 40M the best? Better have some tall trees hi hi

The trees smack on top of the mtn are short cuz of poor soil condx. Stunted somewhat, so 25' is best i cud do in these white oaks.

To hang a 30m half square i had to reduce the length of the two vertical elements. Otherwise they would be almost touching the ground. By reducing them 30% (several turns on a 2" PVC) they are above head knocking height. good thing with wife and kids in the front yerd :-)

I found a basic program that reduces dipoles, and gives you turns etc.

"REDUC3"

Trees dictate the direction you can "beam to"

But i think east to west is best if you can get it. Otherwise se/nw maybe...

Even when these ants are near the ground they work fine.

They have the same gain as a phased array of two 1/4 verticals i think.

BUT you dont need any radials! cool or what!

Once you hang a few of these you will find them as easy as a dipole to rig.

I wanted to relpy to all and post my resopnce to your question on QRP-L also. But not without your ok...??

If you think this should be on QRP-L (i do)

EDIT ALL THIS and post it.

THANKS for the question, and try some half squares!! de Jim

Date: Tue, 16 Mar 1999 07:53:53 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: lsimons1@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35680] Re: antenna restrictions
Message-ID: <36EE7081.543F283B@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Lynn

There is a website which may help. It is at
<http://www.gate.net/~donstone/antenna.html>. Restrictive covenants are very hard to break because they are private contracts which you agree to when you buy your home or condo. Basically, you agree to abide by the restrictions when you sign the papers to purchase your residence. If you want to set up an antenna, you must either get permission from the "Architectural Control Committee," or go to court. Good luck! Most amateurs just put up hidden or portable antennas.

City, county, and state restrictions are much easier to get past. You have some protection under federal regulations, here. It's all on the website. Check it out.

Bruce kk7zz

Lynn Simons wrote:

> Hi all. Can anyone give me the place to find out about the federal law
> or statute that bars any place including neighborhoods with covenants
> from preventing you to put up the new satellite dish antennas. I have a
> friend who is being bothered by his local neighborhood housing board
> about his.
>
> Thanks in advance.
>
> 72,
>
> Lynn, KJ3V

Date: Tue, 16 Mar 1999 09:50:52 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [35681] NC20 Another problem solved - long
Message-ID: <36EE6FCC.D5D9F844@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have fixed my problem. On Sunday I had finished section 12, Keyer and Transmit Control and measured 0 v for the +12VTX signal at R98. Last night I did the troubleshooting. On my way home I stopped at Radio Shack and got some 2N3906's and a MPS2907 cuz I was convinced I had a bad Q20. First I repeated the test and got the same results as Sunday. I doubled checked all of the TICK functions and everything was OK. Pin 5 of the TICK was outputting 4.8v in XMIT just fine, but no signal at Q19. Rats. I had replacements for the 2N3906 but not the 2N3904 of Q19. Checked R83. No voltage there either! Hmmm. Open resistor? Bad solder joint? Cracked/burned trace? Time to do some continuity checks. First Q19. Ohmmeter checks on it while still on the board show that is neither open or shorted. R83 measures 10K. Pull the TICK and probe the socket at pin 5 to the base of Q19. Got continuity. No cold solder or broken/bruned/shorted traces. Hmmmm. Wait a minute! What's with this IC socket? Take a good look. The socket for pin 5 is not right. It has no spring action and is stuck open. Did all my voltage checks of the TICK by probing the pins themselves. Pin 5 was not making contact in the socket. Bend the pins on the TICK to insure contact and reinstall it. Everything works to spec. OK I read all the warnings about using cheap IC sockets. Never again. So how do I remove this cheapie socket without wrecking the board or all those components already installed. My first thought is to cut into pieces so I can remove one pin at a time.

Ed Kwik AB8DF

Date: Tue, 16 Mar 1999 08:24:50 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: kizerian@ced.utah.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35682] Re: antenna restrictions
Message-ID: <36EE1552.7F57C283@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I knew I should have searched my desk and file first, :-)

The Commission order is FCC 96-328 if you want to search the FCC site for it (<http://www.fcc.gov>). Is a lengthy document, but I have a copy which I distributed to the Association Board where I live, and they finally agreed to abide by it.

If you need a copy, let me know and I'll send one for the costs.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Tue, 16 Mar 1999 09:38:31 -0600

From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>

To: <qrp-l@lehigh.edu>

Subject: [35683] RE: NC20 Another problem solved

Message-ID: <000401be6fc3\$0be649e0\$8dc9ce80@nathan.missouri.edu>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Ed,

>OK I read all the warnings about using cheap IC sockets. Never
>again. So how do I remove this cheapie socket without wrecking
>the board or all those components already installed. My first
>thought is to cut into pieces so I can remove one pin at a
>time.

Desoldering these isn't a problem at all. Actually, desoldering most components isn't a big problem, I never understood why people make such a big deal out of it. You could try cutting it up, if you do this I'd recommend doing it with a hot X-Acto knife. That way you don't have to worry so much about harming the board or plastic shavings.

Otherwise, go back to Radio Shaft, pick up some desoldering braid. There's some better quality stuff that you can get from Mouser, Digi-Key, and the like...but the RS stuff should work ok for now. Then, do the following:

1. Flip your board over so you see the solder side (duh) and warm up your trusty soldering iron

2. Lay the desoldering braid over the first solder joint, and press the hot iron down on top of it. The solder should melt, then wick up into the braid. REMEMBER that solder flows toward the heat, so you may want to hold the iron a little bit away from the joint to allow the solder to "travel". You will also have to unroll the braid to allow clean braid to be used as the previous section fills up. Every inch or so, you might trim off the used portion. Keep at it until the joint is fairly clean. With a small IC joint, this shouldn't take much effort, on larger transistor pads, etc. it may take a little more. Be sure not to overheat the board too much as the plated traces may want to peel away if overheated.

3. Move on to the next joint, and repeat for the whole socket (8 pins).

4. Once this is done, you can try pulling the socket. Most likely it won't come out - there's still some residual solder down in the holes. Use a miniature screwdriver to GENTLY!!!! pry up one end of the socket on the component side while you work on the solder side with your iron. Reheat the joints closest to where you're prying - they should slowly come out. Work your way down the socket until all the pins are free (or at least farther out than before). If the socket still doesn't come out, pry and go down all the pins again. Some solder may have dribbled out as well - get it with the desoldering braid. The socket will come out eventually...

The one thing to be certain here is that you don't overheat anything or pry too hard - it'd be a shame to damage a *populated* NC20 board... Takes awhile to get replacements for those ;) It's really not as tough as it sounds though...good luck!

73,
Nathan
KB0NNV

Date: Tue, 16 Mar 1999 10:49:53 -0500
From: "J. Eric Jessen" <E.Jessen@orion-consulting.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [35684] First Field Day.....
Message-ID: <1C7185682F54D2119C7200104B2EE1F6083ACC@MAILMAN>
MIME-Version: 1.0
Content-Type: text/plain

> First Field Day....oh yeah!!!!!!
> June 1978, 3 week old novice license, Heathkit HW16,
> HG-10 VFO, straight key, lotsa pencils and paper. In a
> canvas umbrella tent, as part of a 6A operation.

>
> OH baby! Great way to improve code speed. Couldn't
> sleep Friday night due to excitement (maybe about
> 3 hrs tops). Ran the whole 24 hrs. Passed on on the
> bathroom floor after I got back home. 3 hours later woke
> up and went to bed. Slept 21 hours. When I woke up,
> there was this strange ringing in my ears, --.- --.- --.- --..
> (CQ FD), and I wasn't sure what day it was.
> Been hooked on FD ever since.
>
> At the next club meeting, one of the older guys asked me
> if I knew how fast I was going. I said no. He said, "Son,
> you were doing at least 25 WPM with that junky old
> straight key." I, of course, didn't believe him.
>
> Anyone else remember their first field day????
>
> 73 de N8AUC
> Eric
> (30 stories above Lake Erie in Cleveland)
>
>
>

Date: Tue, 16 Mar 1999 09:49:44 -0600
From: kkanalz@optelinc.com
To: eakwikjr@hti.com
Cc: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>
Subject: [35685] Re: NC20 Another problem solved - long
Message-ID: <86256736.00574147.00@hdsmt01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

That is the EXACT best way to remove that socket, Ed. Get some hefty
dikes (diagonal cutters) and snip away as much of the plastic as you can,
leaving the pins still soldered in the board,

Then, with your soldering iron in one hand, the board clamped in
a small bench vise (or holder-upper), and a pair of needle-nose
pliers in the other hand, heat the solder side of each pin and pull it
out (probably along with some plastic that will still be molded around
it) with your needle-nose (the pliers, not YOUR nose!).

I highly recommend "machined pin" IC sockets (usually made by Augat), and they're only a tad bit more expensive than those cheapie sockets. Lots less aggravation in the long run, believe me!

Karl K - W8TIF
McKinney, Texas

"Edward A Kwik jr" <eakwikjr@hti.com> on 03/16/99 08:50:52 AM

Please respond to eakwikjr@hti.com

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: NC20 Another problem solved - long

<snip>

OK I read all the warnings about using cheap IC sockets. Never again. So how do I remove this cheapie socket without wrecking the board or all those components already installed. My first thought is to cut into pieces so I can remove one pin at a time.

Ed Kwik AB8DF <snip>

Date: Tue, 16 Mar 1999 11:08:48 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [35686] Re: Ruminations about QRP Monoband Rigs
Message-ID: <199903161553.KAA17783@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

>
> The design of most monoband QRP rigs originates with some specific idea
> about the way we want to operate them. We may like to cluster around a

Actually, I think the reason monoband CW rigs are popular is because
a highly effective CW rig can be built in a small enclosure at a
modest price and be very battery friendly.

They have limited tuning range because of the nature of the varactor
diodes commonly used to tune them and the limited amount of voltage
available for tuning.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 16 Mar 1999 11:04:53 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <nodle01@mail.coin.missouri.edu>, "QRP Mail List" <qrp-l@Lehigh.EDU>
Subject: [35687] Re: NC20 Another problem solved
Message-ID: <007f01be6fc6\$bdaa1280\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Ed,
>
>>OK I read all the warnings about using cheap IC sockets. Never
>>again. So how do I remove this cheapie socket without wrecking
>>the board or all those components already installed. My first
>>thought is to cut into pieces so I can remove one pin at a
>>time.
>
>Desoldering these isn't a problem at all. Actually, desoldering most
>components isn't a big problem, I never understood why people make such
a
>big deal out of it. You could try cutting it up, if you do this I'd
>recommend doing it with a hot X-Acto knife. That way you don't have to
>worry so much about harming the board or plastic shavings.
>
>73,
>Nathan
>KB0NNV

Actually, it's a BIG issue. Just not a big issue with single sided or even most double sided boards.

And your advice is good.

Single sided boards suck out or wick with the braid really easily. Even most double sided boards suck or wick just fine. Although sometimes you have to ADD solder to 'prime' it, otherwise you'll heat too hot. Just wick or suck as best as possible, and then use the iron to 'move' the pin free. Sometimes this 'bends' the pin and it cools in a free position. Othertimes I use an X-Acto to move and hold the pin and let it cool into a free spot.

But the real problem getting components out is too much heat. If you have plated through holes you can break the 'cylinder' that is plated through free. Now when you remount a component, you have to make sure you solder both top and bottom to get a good connection. They do make little 'rivits' you can reinsert if you want to.

Finally, you won't see this with much analog design, and probably never with a kit, but some boards are multilayer. 4, 6, or more layers. The problem there is the power and ground planes are usually big heat sinks. Most layouts will etch 'targets' so that the inner layers don't sink heat, but that's not always the case. Even some inner traces can sink heat, enough to make it difficult to pull the part.

If you EVER pop a plated feedthrough on a multi-layer board, consider it trash.

If you need to pull a part from a multi-layer board, ALWAYS consider the board to be important, and the part to be expendable. CUT or otherwise destroy the part carefully to separate each pin mechanically, then carefully heat

that pin and
GENTLY pull it from the hole, then clean up the hole. I don't care if
it's a \$40 chip,
CUT IT OUT!!!! You already think it's bad, right? So why risk the whole
board
for a part you're already going in to replace?

Mike Yetsko
N1DVJ

Date: Tue, 16 Mar 1999 09:19:46 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: malman@world.std.com (joel malman)
Cc: qrp-1@lehigh.edu
Subject: [35688] Re: QRPTTF '99 Rules on NorCal's Website
Message-ID: <199903161619.JAA00492@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy Joel (and Folks),

Joel (K1QM, ex-wa1qvm) wrote:

>

> The hard thing about QRPTTF, etc plans, for me, is a problem with
> my group. I don't think I can get them into both TTF and Field Day.

Please don't ever worry about that. If you can/want
to get on that's great, if you can't that's fine too.

On the other hand, operating solo from a neat field
location, watching Spring come to life and working
friends on the air can be extremely relaxing and
fun. Beat the crowds and look for some solitude. Best
therapy there is!

> We are a group, of about 15-20: No Code, and TP+'s and HAM wanna
> 'bees. We are getting ** ALL UP **, for the BIG ONE: Field Day.
> WE are ALREADY working on antenna installation ideas, and who will
> be working CW and who will be SSB on 10 meters! All want to play Extra
> Class .. and use my call.... so, OK we will work that out ...

>
> Not to put down the TTF effort, Bees, etc. They are all GREAT
> QRP things... But I have a group, for which FD is just what **WE**
> (all hams) need to get the new folks, into the fold.

'Course since *any* big operation benefits from rehearsal,
you could gather a few N/T+ hams, set up a really simple
station, and let 'em get some practice running a field
station before the Big Day. Test antenna raising ideas,
RFI between rigs, etc. ;-)

Also, use a nifty QRP kit rig and let 'em see how much fun
they can have with less than \$150 for a complete HF station.
Then remind 'em that yes, with that same station they can
literally work the world! On a HB wire antenna!

I'll bet those two facts alone would hook more newbies
into QRP HF than anything else. When I started out, I was
told over and over again that a used \$500 QRO rig was my
only option. Almost kept me off of HF. Glad I ignored them.

Hope they have fun out there - thanks for Elmering them!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Tue, 16 Mar 1999 10:24:13 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35689] Re: Ruminations about QRP Monoband Rigs
Message-ID: <199903161624.KAA14579x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 16 Mar 1999 11:08:48 +0000, "Steven Weber" <kd1jv@moose.ncia.net> wrote:

> Actually, I think the reason monoband CW rigs are popular is because
> a highly effective CW rig can be built in a small enclosure at a
> modest price and be very battery friendly.

The only commercial HF radio I have is a HTX-100 and I think that I will probably just continue to build the kits. I really enjoy it. It's hard to explain, it's stressful at times but so relaxing at others and to be honest, I am just fascinated by CW and don't really have any desire for SSB. Maybe I'm just weird.....

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net  w4jef@amsat.org |      Reserve Patrol Captain      |
|  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet|      QTH Birmingham, AL USA    |
*-----*
```

Date: Tue, 16 Mar 1999 18:27:54 +0200
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [35690] Re: First Field Day.....
Message-ID: <36EE868A.5F87@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

J. Eric Jessen wrote:

>

> > First Field Day....oh yeah!!!!

I must have been 16 or so. I didn't have a licence at the time (not under 18 in Holland in those years) but I used to take part in 2 m fox hunting as a hunter, which was good fun and you could win something, too. But then one day there was this thing called field day. I remember admiring the telex machines and other great stuff I'd never seen and being up all night. Next day was a Sunday and when I got home, my parents made me go to church, where I fell asleep every few minutes ...

73,
OH2ZAZ

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 16 Mar 1999 16:31:15 +0000
From: Ed Loranger <we6w@qsl.net>
To: rkeener@realtime.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35691] Re: Portable Chair Found!!!!
Message-ID: <36EE8753.4484@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ron Keener wrote:

>
> ed - those chairs are great!! - i have been using one for over a year -
<... snip>

Wow everyone. It seems this "Comfort Quad" chair has a following.

I am so glad I'm not the last to find out :)

Mom came home last night with 3 of them!

I hope you all enjoy your chair.

Yes, this is all I need....this chair.

And, and this thermos.... (Steve Martin movie, "The Jerk")

And this Radio :)

72 Gang. -Ed

--
-Ed AR QRP Millennium QSO's=518/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 16 Mar 1999 08:31:15 -0800
From: "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>
Subject: [35692] K2 SSB Breaks pile up!; Fever hits 100 ; I feel great! <long>
Message-ID: <36EE8753.41E69D0F@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I've been suffering a bad cold as of late, the result of my trip up to Vancouver and Washington a week ago to demo the K2. (Too many handshakes and airplane recalculated air...) On top of that I've been buried getting spare parts out to Field Testers, coordinating our K2 manufacturing ramp up, repairing a K2 or two and getting the final version of the K2 SSB adapter running.

SSB adapter, hmmm. It's getting near the end of the day, maybe I should take a break from everything and put it on the air. (Up to this point most of my testing has been on the bench with a spectrum analyzer and TS50 receiver and a few local test QSO's..) I have been optimizing the SSB filter and working on the optimal BFO injection over the past several days and it would be nice to give it a real test. This particular version is in its 'ugly' state with most of the adapter external to the rig with mini coax and clip leads connecting it to the K2.

So what the heck, at 0030Z I give Wayne, N6KR, a call on the phone and we set up a sked on 7.180. We're about 70 miles apart, but his signal is a 56 here. He hears me fine and says that everything sounds good. We do a little experimenting with the BFO injection on TX and pick what sounds good to Wayne. He has too much local QRN to give me a critical report, so I go in search for another contact.

At 0100z I hook up with Bob, W6CYX, on 7.180 with. He's 59 here and reports that the K2 audio is great. We jump to 21.220 where our signals are 59+, and then to 28.520 where they are 59+ too. I experiment with the BFO, but Bob says to leave it where I started. He says the studio sounds great.

I finish up with Bob and we get a call from Jack, WB5JBD in Texas, who is pinning my S-Meter! He is astounded that I'm only running 10W and gives me a report of 59+10. This isn't unusual on 10m when the band is about to close, and true to form, the band closes ten minutes later and Jack fades out.

Now I'm getting my courage up and decide to go looking for some DX. Hey, what's that noise up on 28.493? Its T30R in Western Kiribati with a huge pile up. I call once with the crowd to no avail. Then I time my call just right during a pause in the 'white noise' of the pile up and he comes back to me! 'WA6HHQ, 59.' He's a real 59 here too. I put him in the log at 0130z. Wow, now my adrenaline is pumping. (Plus I'm quickly going through my tissue box blowing my nose..) I'm feeling better already!

At 0140 I work Ron, VK6LG, on 28.443 who is 58 here with 100w and a 4e1 quad. He gives me a solid 55 with a good audio report. He's 150 miles south of Perth, Australia and is impressed with my 10w signal. We talk for

20 minutes or so and have a real nice QSO.

At 0220 I tune the 10m band again and it sounds like it's finally closing up to the West. At 28.425 I hear a weak CQ from Bill, ZL2CN, so I give him a call. He comes back and gives me a solid 54; he's 55 here. It turns out he's only running 40w to a vertical, almost QRP! We have a nice QSO and he is impressed with my 10w sig and comments on my good audio. (I must be doing something right!)

Its now 0230z and 10m finally fades out so I move on down to 15m. On 21.385 I hear a huge signal calling CQ. Its Jack, WB5JBD, again! Guess we have a pipeline to Texas on 15M now. I surprise him again and we chat for a bit. 59++ signals all around. He was so impressed I was able to get him to turn off the KW amp and turn down his power. Still 59++ here. I think we may have another QRP convert..

0245z. My throat is sore, I'm sneezing and have a few chills. Looks like I may have a slight fever. But I FEEL GREAT! 7 contacts, 1 pile up broken, 3 DX countries (4 including Texas...), and a LOT of fun. This is why I love this hobby (and now my job!)

72, Eric WA6HHQ

P.S. My fever died after dinner and I took it easy all evening, going to bed early. This AM I feel much better. My throat is feeling good and the fever is gone. Guess a little QRP operation helped cure my cold!

The gating item on SSB adapter delivery is our manufacturer lead time on the crystals used in the SSB filter. We should be hearing more later this week and we will update the web page with new schedule info.

erics@elecraft.com
<http://www.elecraft.com>

Date: Tue, 16 Mar 1999 08:34:14 -0800
From: "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>
Subject: [35693] Recalculated ->Recirculated air: oops!
Message-ID: <36EE8806.5B94C765@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I meand 'recirculated air' in my last post. Guess I've been doing too much

math work lately!

Eric

Date: Tue, 16 Mar 1999 11:45:08 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-1@lehigh.edu
Subject: [35694] Re: Ft. Tuthill....When? Ft. Smith....Fun
Message-ID: <36EE8A94.4210@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Joe Gervais wrote:

> Yep, the Ft. Tuthill Hamfest / QRP 'Fest is set for
> July 23-25. We're just staying quiet because we don't
> want to interfere with Atlanticon promos. (Wish I could
> go!) Expect the usual barrage in a month. ;-)

> Got a great lineup of speakers, and various QRP vendors
> who may just show up for the fun vs. setting up a booth.
> It's as informal as you can get without requiring togas
> and bermuda shorts! Gathering in the pine forests of
> Flagstaff at 7,000 ft ain't a bad way to spend a summer
> weekend. :)

Well, it turns out they talked me into going, so I would LOVE to hook up with some of the West Coast QRPers. Let me know where and when and I will manage to get there.

So far, I am scheduled to do my becoming-famous "built a 2 meter Yagi out of copper pipe before your eyes, complete with blowtorch, tie and fire extinguisher, in case I set my tie on fire. I plan to set that tie on fire so I don't have to wear it for the rest of the 'fest. Probably do an RFI and RF exposure presentation, as my usual fare. Of course, none of these are usually of concern to HF QRP folks, but there will be plenty of good QRP talks for ME to attend.

And, I want "in" on the pizza . . . :-)

73, Ed, W1RFI

Date: Tue, 16 Mar 1999 10:51:04 -0600
From: "Tom Moll" <tomm@xata.com>
To: <qrp-1@lehigh.edu>
Subject: [35695] Metering Question
Message-ID: <000e01be6fcd\$2e80e2d0\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can anyone enlighten me on audio "VU" metering ?
I would like to know what the expected input level range is, and
how are they calibrated, i.e. what / how is the 0db reference
point determined ?
How is this QRP? I am looking at putting together a hi fidelity
speech pre-processing system for QRP AM operation.
Is anyone on the list involved in the AM PisWeak "movement"
or interested in hi-fi audio operation ?
The AM activity on 10m is really starting to pick up - it would be
nice to hear some QRP activity there. Plenty of bandwidth for what
would otherwise be considered a "wide" signal.
TIA
Tom Moll NØBS

Date: Tue, 16 Mar 1999 08:21:09 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: kizerian@ced.utah.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35696] Re: antenna restrictions
Message-ID: <36EE1475.5D67E032@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just a comment on the satellite dish ruling: The FCC has applied the
ruling to all restrictions on dishes of one meter or less in size.
Any restrictive covenants in force are invalid.

There was, however, a provision that you had to be the
homeowner...rentals, leases, did not get the benefit. I think that was
changed, but haven't checked it out.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Tue, 16 Mar 1999 12:12:53 -0400
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35697] Re: Ruminations about QRP Monoband Rigs
Message-ID: <199903161713.RAA80216@out5.ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Tue, 16 Mar 1999 10:24:13 -0600, Jeff Johns wrote:

>The only commercial HF radio I have is a HTX-100 and I think that I will
>probably just continue to build the kits. I really enjoy it. It's hard to
>explain, it's stressful at times but so relaxing at others and to be honest,
>I am just fascinated by CW and don't really have any desire for SSB. Maybe
>I'm just weird.....

Hi, Jeff,

I don't think you are weird. I just think it's a different hobby for
different people, even within the subset of the hobby called QRP. I have
never built a kit, don't feel competent to do one, and have no desire to
learn. I also have zero interest in CW. I do love QRP SSB, though. I
enjoy communicating with people and learning from them.

The only "true" QRP monobander I have at the moment is an NCG 15M, which
covers to whole band, SSB and CW. I suspect with multiband rigs getting
ever smaller and lighter, I suspect the interest in monobanders may wane.

72/73,
Caity
KU4QD

Caitlyn M. Martin	"They have computers... and may have
cait.martin@ibm.net	other weapons of mass
http://www.caitys-world.com	destruction" -Janet Reno

Date: Tue, 16 Mar 1999 09:14:57 -0800
 From: Allan G Taylor <k7gt@arrl.net>
 To: qrp-l@lehigh.edu
 Subject: [35698] TRADE(only): NC20 kit toward W.R. Sierra
 Message-ID: <36EE9191.5A60@arrl.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

A change in plans regarding building up a NC20 in 40m version (gg to wait for the RedHot40 from Dave...) frees up one of my NC20 kits for barter. As the NC20 itself will likely not be ready by summer either, I would like to trade the now-extra NC20 kit towards a functional Wilderness Radio Sierra with at least 20m and 15m band modules. I would prefer to NOT have the KC1 or KC2 (too much current draw).

I had thought about making up both NC20s but decided that would be hogging the fun that could have been for others. But I will NOT sell the NC20 kit outright... you must bring a Sierra to the trading table. Even better would be to demo it on a backpacking trip to Yosemite in late July...as part of the deal!

	/	
	/	
Allan Taylor, PE K7GT	/Z \	
k7gt@arrl.net	/ /599 \	QRP-L 1016 FISTS 3222
operating nr SF/Oakland CA	/_ /_ _ _ _ _ _	ARS 228 10X 69929
..."QRP, QRO, or barefoot..."...	[\-----/	DXCC 8171/CW 1395/40m

 Date: Tue, 16 Mar 1999 17:13:16 -0000
 From: "Tony Fishpool" <g4wif@btinternet.com>
 To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
 Subject: [35699] Re: NC20 Another problem solved
 Message-ID: <004c01be6fd0\$b0137b20\$0201a8c0@fred>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

I confess. I made a lot of silly mistakes and had to remove a fair few

components from my NC20. I used a solder (pump) sucker and not once did I lift a track on the PCB. That's how good a job NORCAL did in sourcing quality parts. The PCB is a work of art.

72

Tony - G4WIF/K4WIF

-----Original Message-----

From: Nathan Odle <nodle01@mail.coin.missouri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, March 16, 1999 3:42 PM
Subject: RE: NC20 Another problem solved

>Ed,

>

>>OK I read all the warnings about using cheap IC sockets. Never
>>again. So how do I remove this cheapie socket without wrecking
>>the board or all those components already installed. My first
>>thought is to cut into pieces so I can remove one pin at a
>>time.

>

Date: Tue, 16 Mar 1999 09:43:19 -0800 (PST)
From: =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
To: qrp-l@Lehigh.EDU
Subject: [35700] OHR-500 es cross-band SW AM BC hetrodynes...?
Message-ID: <19990316174319.6019.rocketmail@web1.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey Gang,

I have an OHR-500 that I built recently. It works great but I've noticed one "feature" with this rig that I'm unsure if it is typical. That is, whenever I tune across a band (especially 40m novice), I'll often hear a few BC hetrodynes. That's to be expected, but I noticed that if I tune one in then switch to a different band, I will hear that same hetrodyne (but softer) on other bands too. Tuning to the same freq on my FT-990, I will not hear the hetrodyne, except on the original (40m) band. Therefore, I suspect these carriers are getting into the IF somewhere. This is especially noticable when the band condx are poor.

When the band is open, this phenomina isn't noticable.
Any of you other OHR-500 owners observe the same?

One other characteristic of this rig is that with the filter off, the passband seems just about as tight. Much more so than my OHR-100 is. Is this typical? I always run my OHR100 choked tight so this isn't a problem for me. I'm just wondering if your '500 sounds the same.

It's a good rig none the less. I have my QRPTTF site all picked out, and this is the rig I'll be using.

72/73,
-Dale

```
=====
Dale Anderson           In the Mt Washington Valley
KB0VCC                  Conway, New Hampshire
QRP-L #91 / CQC #251    Grid Sq: FN43KX
ARS #234 / FISTS #3172  http://www.qsl.net/kb0vcc
=====
```

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 16 Mar 1999 09:59:22 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [35701] REPAIR JOB: Part VI, A Clew!
Message-ID: <266f01be6fd6\$bb3352e0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

W8KC wrote about his NC20:

"I was puzzling over that problem when suddenly, the rig started BEEPING at me. Just beep beep beep beep about as fast as you can read those words.

"The "beep beep beep" that I originally heard in the headphones is STILL

THERE when I transmit.

The rig AGC works, but on TX, there is a terrible POP in the headphones...

The AGC recovery time is about five seconds.

"I still hear a beep beep beep... while the NC-20 TRANSMITS. It doesn't seem to be the AFA chip... I still get it in the headphones even if I pull the AFA output pin #7!"

K1MG wrote:

"...But your comments did turn on a light bulb for me. If the RF/gate signal were somehow making it into the audio (short between AFA pin 6 and pin 7, for example) the gate signal might sound like a repetitive audio beeping. Since the mute signal is also involved in the RF/gate, I would expect the beeping to be much louder during transmit. In fact, it would be pretty much filtered out in the audio section during receive, so you might only notice it during transmit."

W8KC wrote:

"I believe it is the so-called "39ms positive going pulse every .35ms" as described on page 19 of the manual.

"My problem is that the BEEP BEEP BEEP sound is NOT affected by the VR8 AFA Tone Level pot! How the heck is that pulse getting into the earphones?"

K1MG wrote:

"Good clue! We can rule out the pin 6 to 7 direct short. I would take the scope and look for the distinctive AFA gate waveform in the audio stages. Then back through until it goes away."

W8KC wrote:

"By the way... the BEEPING goes away while the AFA is making an announcement. And of course, it is not heard while the rig is in receive mode.

"I don't know where that pulse is generated or HOW it is getting through to the headphones in TX."

Inspector Clouseau wrote:

"Aha! A detective story! You should haf called ze inspecteur great at ze very beginning! I will find ze clew zat will solve ze mystery."

.

K1MG wrote:

"One possible route might be through the audio mute circuit. For example, if D27 was backwards, the gate signal might make its way to the MUTE signal line where it would modulate the audio background."

W07T wrote:

"Some back time, I dropped a note to the list complaining of a soft (volume) pulsing tone buried within my sidetone of the NC-20.

"Additionally, I had harsh klunk in speaker upon key up.

"...some serious hang time on the AGC after key up. Had to shoot standing voltage via VR5 up to 8V before I had half-way decent recovery.

"Taking the advice of Gary N7IR's posting, I invested in two 2N5457s (from Tech America- \$0.42) to improve upon the hit and miss characteristics of the MPF102s. Popped both in the board (Q1 & Q9) this morning, and fired things up."

Inspector Clouseau wrote:

"A clew!

"I have determined zat ze culprit is Q9! Arrest Q9 immediately! You see, it was very simple. Q9 was behaving very suspiciously. He was not turning completely on and off, like a normal citizen of the republic. He was screwing up the AGC loop and was permitting the AFA gate signal to couple into the audio through the mute circuit!

"Ze case is solved! Another triumph for Inspecteur Clouseau!"

W8KC wrote:

"Just finished my first ever QSO with the new (and semi-working!) NC-20!"

This episode of "Mystery Troubleshooter!" was made available by a generous grant from QRP-L and the attention of readers like you.

Date: Tue, 16 Mar 1999 11:16:55 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [35702] Component help
Message-ID: <199903161815.LAA01041@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Not really qrp, but I have a scanner that died, and one component seems to be burnt pretty badly. It is marked 'C3631', and looks like a small voltage regulator, but has a base, emitter and collector.

I can't find this in the usual cross-references. Does anyone have any idea what it might be, or what an equivalent would be?

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: Tue, 16 Mar 1999 13:17:15 -0500
From: "Fishman, Clark [AMSTA-AR-FSF-I]" <cfishman@pica.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [35703] SPICE
Message-ID: <53EB67411602D211846900A0C9C7647A0323BF16@mail3.pica.army.mil>

MIME-Version: 1.0
Content-Type: text/plain

Anybody know where I can download some free or cheap SPICE or PSPICE ???

Clark Fishman WA2UNN cfishman@pica.army.mil

Date: Tue, 16 Mar 1999 10:16:09 -0800
From: Jim Lowman <jmlowman@ix.netcom.com>
To: E.Jessen@orion-consulting.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35704] Re: First Field Day.....
Message-ID: <36EE9FE9.E59D7BD7@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

J. Eric Jessen wrote:

> > When I woke up,
> > there was this strange ringing in my ears, -.-. --.- ...- ...
> > (CQ FD), and I wasn't sure what day it was.
> > Been hooked on FD ever since.

Yup - me, too! Brand new General in 1966. At that time I had just graduated from high school, and was waiting to start college in the fall. This was with the Genessee County (MI) ARC, who used to run a 5A or 6A operation at an outlying area of Bishop Airport, before they expanded for jet aircraft.

Interest in FD with this group was extreme, and we often placed in the top ten nationally, if I recall correctly. Guess I should verify that with my QST on CD-ROM collection. We operated separate stations for CW and SSB on 80/75m, 40/40m and 10/15/20m. Interestingly enough, we had so many operators that we were able to staff all positions, around the clock, in shifts of two hours operating+two hours logging per operator.

In 1968, when I was between my sophomore and junior years at college, the usual 40m SSB band captain landed in the hospital with a heart attack and, for some reason, I was asked to take over for him.

We had record propagation that year. AK and HI were among my first contacts that FD and, in fact, we didn't work our own section until the last hour of the event. Yeah, I know that sections aren't multipliers for FD, but I have always kept track, like during Sweepstakes. All this with my Drake R-4/T-4X, putting out maybe 80 watts (we measured power *input* in those days) to a homebrew inverted-V. Using tube rigs as we did in those days, it was necessary to run a 10-kw trailer-mounted generator. At least FD is quieter these days in that respect.

You mentioned hearing the familiar ring of "CQ FD" in your ears. Well, for about two days afterward, everyone seemed to sound like they were coming through the SSB receiver!

Alas, I understand that the GCARC is pretty much defunct these days, and doesn't seem to sport a FD entry.

In the late 1970s, when I first moved to southern CA, we had a similar level of enthusiasm, running a major operation from 5000' plus in the local mountains.

That group still operates FD, and I was with them through last FD, but they may as well call it a picnic instead of an operating event. This year, I have been invited to work my first QRP FD with the legendary Zuni Loop Expeditionary Force. Should be a great time!

72 de Jim - AD6CW

Date: Tue, 16 Mar 1999 10:19:54 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [35705] K2 and NC20 on-air reports
Message-ID: <269a01be6fd9\$99f79ac0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Has anyone else noticed that when someone reports their first QSO with their newly-assembled kit, it is most likely to be an NC20 contacting an NC20, or a K2 contacting a K2? Why is it so rare to have a K2 to NC20 QSO?

Mike K1MG

...who is on the home stretch building his K2, but had to finish the shelves in the daughter's bathroom first, and"Yes dear, I'll be right there."

Date: Tue, 16 Mar 1999 10:37:08 -0800
From: "Radman" <radman@best.com>
To: <cfishman@pica.army.mil>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35706] Re: SPICE (free PSpice)
Message-ID: <199903161834.KAA26723@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Clark,

You can download Microsim PSpice version 6.0 at URL:
<http://www.mal.eecs.uic.edu/EECS342/download.htm>

It's said to run under Win3.1 and Win95... perhaps shaky under WinNT.

This is the 16 bit implementation. Hey, it's FREE :-)

72 -- Conrad -- NN6CW

>>Anybody know where I can download some free or cheap
SPICE or PSpice ?<<

Date: Tue, 16 Mar 1999 12:47:57 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-1@lehigh.edu>
Subject: [35707] RE: NC20 Another problem solved
Message-ID: <000501be6fdd\$82cbc340\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for the addendum to my reply, Mike. I never considered the issue of multi-layer boards, seeing as how I've never had much experience with them myself (I'm just a small-time homebrewer, I guess!) Also, I also thought of something - in Ed's case, he probably DOES want to cut that socket apart (your advice pointing out the part's already bad is well taken!). Of course if you misplace a part that might be a different story - if on a single/double sided board you probably want to give desoldering a shot so you don't have to spend the time/money on a replacement. Also, on a board that's as populated as the NC20 you might rely more on pressing out the pins with the iron as you heat them as opposed to actual prying. As for cutting it apart, I do prefer the hot X-Acto knife to the diagonal cutters - more finesse than brawn is a good thing around PCBs ;) Simply cutting the socket into 8 sections should suffice (one cut lengthwise, then 3 crosswise between the pairs of pins). The XActo should go through the socket like a knife through hot...plastic ;)

ALSO of note: When you get done, you may still have clogged holes. This has happened several times to me, and sometimes you still can't get the solder out, even with the braid. If this happens, you can push in the component until it's stopped by the blockage (sometimes right away - just be sure the lead is positioned over the hole), and then heat the joint until it goes through. Sometimes on multi-pin components, this doesn't work too well. If this is the case, and you have a soldering iron with a small tip (small enough to fit partway into the hole), push the iron into the hole from the solder side of the board, and then simultaneously pull the iron out and blow into the component side of the hole. The solder should come out and you can clean up the excess with the braid. Again, BE

CAREFUL NOT TO OVERHEAT!!! It shouldn't take but a moment for this operation - any more and you could endanger the board...

73,
Nathan
KB0NNV

Date: Tue, 16 Mar 1999 13:45:38 -0500
From: "J. Eric Jessen" <E.Jessen@orion-consulting.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [35708] FW: First Field Day.....
Message-ID: <1C7185682F54D2119C7200104B2EE1F6083ACF@MAILMAN>
MIME-Version: 1.0
Content-Type: text/plain

> Karl,
> Nope...still on the 30th floor.
>
> But that was my first field day.
> Swear it on a stack of bibles, with God as my witness.
>
> Funny though, I sat at Advanced for 15 years because
> I didn't think I could do 20 WPM. In 1994, a friend
> of mine gave me a copy of Super Morse. It had the built
> in "test" modes where it would send a simulated test QSO.
>
> I had my wife push the buttons, and sat so I couldn't see
> the screen. Blew me away when I nailed the sample test...
> solid copy. The next day I looked up the next VE session,
> and made an appointment.
> I didn't get a perfect score on the test, but I did well enough
> to pass my Extra.
>
> But in the beginning, I took almost a year to get up enough
> nerve to even take the novice test. I taught myself the code,
> and really was afraid that I wouldn't pass the Novice 5 wpm test.
> On the day that my elmer came over to give me the test,
> I passed. But he checked me for speed then, and found that
> I could copy between 8-10 wpm reliably.
>
> Probably could have had one of those WD8 calls if I had
> taken the test sooner.
>
Try it this Field Day. Put on a set of headphones, and do

24 hours non-stop CW. By the end of the contest your proficiency will amaze you. Unless of course you were a 30 WPM CW op before the contest.

> 73 de N8AUC,
> Eric
> (Still 30 stories above Lake Erie)
>
> -----
> From: kkanalz@optelinc.com[SMTP:kkanalz@optelinc.com]
> Sent: Tuesday, March 16, 1999 11:01 AM
> To: E.Jessen@orion-consulting.com
> Subject: Re: First Field Day.....
>
>
>
> Now that you've told us ONE story, I suppose you're
> now only twnty-nine stories above Lake Erie?
>
> Karl K. - W8TIF
> McKinney, Texas
>
>
>

Date: Tue, 16 Mar 1999 19:00:48 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35709] Re: K2 and NC20 on-air reports
Message-ID: <009601be6fdf\$549084a0\$c842b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I don't know Mike, but I've had a qso with a K2 with my NC20 but so far, a month now since it went on the air, no NC20 to NC20 for me. Snivel, whine! Maybe when my K2 arrives and gets on the air I will work a NC20. I've been hanging around 14.060 all morn and most of the afternoon and worked several stations, but alas, no other NC20 that I can hear, sob. No NC 20 to NC 20 happy dance for me =8-((
de Steve, W8SFF Lunch Time, YEAH!!!!

Date: Tue, 16 Mar 1999 12:08:04 -0700
From: Roy <marion@montana.com>
To: mgipe@reliablemeters.com
Cc: <qrp-l@Lehigh.EDU>
Subject: [35710] Re: K2 and NC20 on-air reports
Message-ID: <199903161915.MAA03545@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:19 AM 3/16/99 -0800, you wrote:

>Has anyone else noticed that when someone reports their first QSO with
>their newly-assembled kit, it is most likely to be an NC20 contacting
>an NC20, or a K2 contacting a K2? Why is it so rare to have a K2 to
>NC20 QSO?

>

>Mike K1MG

> I've actually worked quite a number of NC20s with my
K2, 12 so far. Only 5 K2 to K2 QSOs. But then, There are less than 100 K2s
out there at present. And I'm all over the bands with my K2, not just 20
mtrs. The K2 is on 14060 at present. Give me a call. Roy, AB7CE, Montana

Date: Tue, 16 Mar 1999 12:32:08 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: b_bradfield@yahoo.com, qrp-l@lehigh.edu
Subject: [35711] Re: WHY?? (LACK OF REPLY E-MAIL ADDRESSES)
Message-ID: <199903161932.MAA23299@rgfn.epcc.edu>

Well, I wondered that too and I sent a mailing to the list the
other day asking the same but no response, also sent one to Jim
Eshleman at Lehigh asking what happened and no response.
This appeared to have happened last Wednesday (3/10) sometime before
the 1700 utc digest was compiled. Prior to that I could click on the
highlighted mail addresses in the list, after that, no way. My son
said it probably has to do with some of the Java Script mail stuff
that may have been changed - but that is beyond me. I do know
it is a minor pain to get out of NS to send responses to the list, now.
Can't have it all, I guess.

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Tue, 16 Mar 1999 14:34:06 -0500 (EST)
From: malman@world.std.com (joel malman)
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [35712] Seen A QRPer burst?
Message-ID: <199903161934.AA04791@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK ... I just can not hold back, or I'm just going to burst !!!

Got a QSL today ... 'I heard you yawn.'

This one says 3D2HI on the front, and 'PSE QSL' on the back.
Worked this DX catch long, long ago on Joe's fav band: 30 meters.
So yep, you CAN work DX (and Fiji, in this case) while QRP in New
England. Hummm now, where did I leave that Great Circle distance
calculator.

--

/joel K1QM (Ex-wa1qvm) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Tue, 16 Mar 1999 13:43:07 +0000
From: Jay Bromley <w5jay@alltel.net>
To: ab5uacw@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35713] Re: Ft. Tuthill....When? Ft. Smith....Fun
Message-ID: <36EE5FEA.1B4657BD@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks Clif,
I enjoyed meeting everone. The weather is weird and since Sunday it has been sunny with the temperature reaching in the 70's today. My head is still buzzing from all the excitement from last week and a little drained physically. I will get a thank you note to all later, I am on the laptop at work. Hope to cu at the other Fort in July.
73 de w5jay..

Clifton W Sikes wrote:

> Just wanted to say what a nice job you did, Jay. I had a great time, and
> hated to miss the meal. We drove in snow for most of the return trip, but
> was worth it. If we had waited any longer to leave, it would have been a
> real mess. Always nice to see Chuck and Doug in this part of the world.
> Jim Cates, we're still looking for you at Ingrid's, for breakfast. THAT
> would be a pleasant surprise!
>
> Tuthill, July 24-25? Maybe, just maybe. It seems that my wife is going to
> San Antonio, for a class that week. Pizza is on Joe, and the root beer is
> on me!
> Hope it works out
>
> 72,
>
> Clif AB5UA
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
> or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 16 Mar 1999 11:53:12 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: mgipe@reliablemeters.com, qrp-l@Lehigh.EDU
Subject: [35714] Re: K2 and NC20 on-air reports
Message-ID: <19990316195312.4797.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

Elementary, my dear Michael!

It's a little-known fact that the elecraftions which the K2 sends out and the norcaleons which the NC20 emits spin in opposite directions, so they nullify each other. Only in the rare case of Van Allen Belt propagation, which halts the spin of both, will these rigs be able to

contact one another. Normally, they're like satellites passing in the umbra. 72, Bruce Prior N7RR / VE7HR in Blaine, WA

>From: "Michael A. Gipe" <mgipe@reliablemeters.com>
>Reply-To: mgipe@reliablemeters.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: K2 and NC20 on-air reports
>Date: Tue, 16 Mar 1999 10:19:54 -0800
>
>Why is it so rare to have a K2 to NC20 QSO?

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 16 Mar 1999 13:20:12 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35715] NC20
Message-ID: <36EEBCFC.6D8C@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP GANG!

First qso here with my new NC20 was with a SST...Steve NOTU/m...Good enough for me. Lots of time for a NC to NC qso! Havin fun!! 72, Tom WB5QYT.....it will happen eventually!!...

Date: Tue, 16 Mar 1999 15:40:12 -0500 (EST)
From: lujce@Lehigh.EDU
To: af852@rgfn.epcc.edu
Cc: b_bradfield@yahoo.com, qrp-1@lehigh.edu
Subject: [35716] Re: WHY?? (LACK OF REPLY E-MAIL ADDRESSES)
Message-ID: <199903162040.PAA95460@nss4.cc.Lehigh.EDU>
Content-Type: text

Sorry Ray, been busy :-(

I think I've fixed your problem. Let me know if not.

Jim N3VXI

> Well, I wondered that too and I sent a mailing to the list the
> other day asking the same but no response, also sent one to Jim
> Eshleman at Lehigh asking what happened and no response.
> This appeared to have happened last Wednesday (3/10) sometime before
> the 1700 utc digest was compiled. Prior to that I could click on the
> highlighted mail addresses in the list, after that, no way. My son
> said it probably has to do with some of the Java Script mail stuff
> that may have been changed - but that is beyond me. I do know
> it is a minor pain to get out of NS to send responses to the list, now.
> Can't have it all, I guess.
> --
>
> "Politicians are like nappies. Both should be
> changed regularly -- and for the same reason"
> "Scotsman - Scotsman's Diary 12/97"
> -----
>
> --
> Ray Colbert, W5XE
> OOTC 3618, SOWP 1064M
> El Paso, Tx (FAR WEST TEXAS!)
> also: w5xe@juno.com

Date: Tue, 16 Mar 1999 19:51:48 -0000
From: "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: "QRP List" <qrp-l@lehigh.edu>
Subject: [35717] Re: Portable Chair Found!!!!
Message-ID: <000201be6fef\$acf5a840\$6a21883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ed,

Glad to see you catching up with us RV and trailer caravan people. These
have been about for a while now, and do make a really handy seat.

Have you also seen the tray that goes with them from the UK? This has a
standard wooden tray with a "bean bag" built in underneath so you can mould
it into the shape of your knees for eating, writing etc.

Handy for FD logging and the likes.

Regards

Mel

British Caravanners Club Website up-dating daily

<http://www.bccscotland.freemove.co.uk>

Why not visit now, access to over 3500 pages worldwide

-----Original Message-----

From: Ed Loranger <we6w@qsl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Tuesday, March 16, 1999 12:39 AM

Subject: Re: Portable Chair Found!!!!

>Sorry gang, in my haste I left out a few items.

>

>First, the chair is lighter than my mom's purse :)

>And "B", it is the "Comfort Quad" chair. Don't

>get their stadium chair. The 'Comfort Quad' has

>legs on it and the other chair does not.

>

>They also have a Lounge chair I was eyeing.

>

>Heavy duty chairs that fold up/out like a transposed

>and inverted umbrella. Black anodized painted legs

>appear to be from aircraft aluminum.

>

>No parts to align. 5 seconds from pouch to sitting.

>5 seconds from sitting to storage.

>

>This one has made it onto my "best of the best" list.

>

>Along with Nu Finish car polish.

>

>OK. That's enuf of my commercials.

>

>G'nite. Ed we6w/6

>--

>-Ed AR QRP Millennium QSO's=518/2000

>72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

>QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

>

Date: Tue, 16 Mar 99 15:22:57 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [35718] Red Hot 40 Transceiver Photos
Message-ID: <E10N0TS-00051y-00@smtp.ticnet.com>

The above are on the web page:

<http://www.ticnet.com/k5fo>

Run down to the NC2040 photos and continuation thereof.

Some seem like dups but they were experimentation with lenses so ignore them. I just didn't want to slow things down on getting them to the web by editing, etc.

Enjoy,

I am not an employee of Red Hot Radio nor am I in any way financed by this project. Just asked to build one and that's what I did.

--
Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Tue, 16 Mar 1999 14:40:39 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-1@lehigh.edu
Subject: [35719] Re: Component Help
Message-ID: <199903162139.0AA05311@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who replied. The component seems to be a 2SC3631, with the '2S' left off the marking. Should have tried that one myself. Now to go find one.

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: Tue, 16 Mar 1999 17:13:20 -0500
From: "J. Eric Jessen" <E.Jessen@orion-consulting.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [35720] Desoldering stuff
Message-ID: <1C7185682F54D2119C7200104B2EE1F6083AD0@MAILMAN>
MIME-Version: 1.0
Content-Type: text/plain

When removing small parts from PCB's I don't use the solder braid. A desoldering pump, and my cordless IsoTip soldering iron gets the parts out. Cleans out vias too. Then if the lead is still stuck, a little more heat from the IsoTip allows the part to be lifted out.

Unfortunately, if you're using SMT stuff this wont work because the desoldering pump tends to suck up the parts too.

73 de N8AUC
Eric
(Getting Warmer in Cleveland)

Date: Tue, 16 Mar 1999 17:17:12 EST
From: N7YA@aol.com
To: qrp-1@lehigh.edu
Subject: [35721] Re: Riley gets another one!!
Message-ID: <6a71cd35.36eed868@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 3/12/99 10:10:07 PM Pacific Standard Time, N7YA@aol.com writes:

<< out of curiosity, i looked up W3CI in the Buckmasters DB...go check it out, hes a real team guy, hihi. the funny thing is he lists one of his interests as foxhunting...how embarrassing!! goes to show, it pays to behave.

73...Adam, N7YA >>

After re-reading this, i hope it wasnt misconstrued as a slam on foxhunting...i was referring to how embarrassing it must have been to be caught by one of the very methods that he lists as an interest. just an addendum to this....he also lists public service, hihi. i guess jamming a repeater keeps everyone on thier toes in case of an emergency.

73 again...Adam, N7YA

in Lynnwood, WA...where everyone has a comb in thier back pocket.

Date: Mon, 15 Mar 1999 22:42:51 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: w1rfi@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35722] Re: Results of my QRP-1/ARRL survey.
Message-ID: <36EDFD6B.82E34063@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks, Ed,

We appreciate your efforts on behalf of us QRPers, builders, CW and SSB operators. --ARRL members or not!

CUL,--

Bob Kellogg, AE4IC, Greensboro, NC
Prolably, not Nececelery, - Benny Hill

Date: Tue, 16 Mar 1999 17:30:26 EST
From: KB9OCE@aol.com
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [35723] Diode Questions....
Message-ID: <aa8d28d9.36eedb82@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I ran across some schematics from the early sixties that I wanted to build. They use tunnel diodes....a XA653 and a 1N2941. I am having trouble locating them. Any suggestions on where I may be able to locate them? If that seems

unlikely, could I replace them with another type of diode? The schematics are for a 6 meter tunnel diode transmitter and an 80 meter tunnel diode transmitter. I was able to locate a listing for the XA653 but it says it is OEM only. As there is no original equipment manufacturer this route is an impossibility. Thanks in advance!

73

Mike Truax, kb9oce
manufacturer of
KB90CE's "Novel-Keys"
<http://hometown.aol.com/kb9oce/index.html>

Date: Tue, 16 Mar 1999 17:39:00 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [35724] Re: Results of my QRP-l/ARRL survey.
Message-ID: <36EEDD84.46D9@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob Kellogg wrote:

> Thanks, Ed,

> We appreciate your efforts on behalf of us QRPers, builders, CW and SSB
> operators. --ARRL members or not!

Hi, Bob,

Well, as I said in my email response to you, my interest in QRP and participation here is personal. I do manage to do a bit of behind the scenes work, when I can, for the cause. That is made a lot easier by the fact that homebrew ham radio, a Good Thing, and QRP go hand in hand, QRPers are helping to support new modes like PSK31 (a real QRP bonanza, btw -- see the May issue of QST for a nice writeup) and QRPers participate in League contests. (I bet we see a new record in QRP participation in the Sweepstakes!)

That 84% figure won't hurt either, a fact I plan to sneak into my next weekly report. They usually make the In Newsletter, and internal ARRL rag for HQ staff, Board, etc. :-)

73,
Ed, W1RFI

ARRL Lab

Date: Tue, 16 Mar 1999 18:18:43 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: "QRP forum" <qrp-l@lehigh.edu>
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>
Subject: [35725] Why we're on 14.060
Message-ID: <199903162312.SAA04312@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

AB6MB said,

"I was on 20 meters yesterday and noticed that 14.060 is hard up against the digital portion of the band. In fact I heard no CW past maybe 14.062. On 40 meters at 7.040 I hear QRP signals all the way past 7.050 at times. Go me to thinking how in the world did we QRPer's end up at 14.060? Just one of those mysteries of life I guess."

At one time, all QRP calling frequencies were at 060 above the bottom of the band, and most still are. The real question should be why 40M is the exception :-). I don't know when, but somewhere in the dim past that one was moved lower in the band due to all of the "digitalis" up higher. Maybe now's a good time to start pushing to get the other bands dropped down to 040 as well, or at least on 20M. Don't ask how we ended up at 14.060--ask why we stick with it :-)

73 and queue our pea DE WA8MCQ

Date: Tue, 16 Mar 1999 15:28:16 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [35726] Ten Tec 225 power supply for sale
Message-ID: <19990316232816.17965.rocketmail@web702.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I have a nearly mint condx Ten Tec 225 power supply for sale. The plug has been cut off where it plugs into the back of the rig. SN 0414

Please make an offer - will consider a trade..

Jim kj5tf@yahoo.com

Yeah I have another address now. The Go.com isnt working very good.

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 16 Mar 1999 15:32:04 -0800
From: Rick Tavan <tavan@tibco.com>
To: qrp-1@lehigh.edu
Subject: [35727] NC20 AGC Problem
Message-ID: <4.1.19990316153001.00c0c790@tekbspa>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

After building the AGC stage, I found a constant reading of about 11v on the AGC2 "S" test point, regardless of the setting of VR(5?). No visible shorts in the vicinity, all prior stages checked out fine. Does this suggest a faulty J310?

/Rick N6XI

Date: Tue, 16 Mar 1999 18:35:14 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-1@lehigh.edu
Subject: [35728] QRPTTF - Taking Requests
Message-ID: <36EEEAB2.8EC@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay, guys and gals, I had such a good time from Delaware last year, that I am going to do QRPTTF again this year. :-) I have a few choices, and I am taking requests for either VT, NH or RI. Let's NOT tie up the list with the requests -- most folks receive this by email and a lot of "go to <state> messages will be a burden. Email your requests to

w1rfi@arrl.net.

I will try to find a reasonable "border" QTH, but for Worked All States, most people accept that "close enough to be safe" is not really working the state, so I will probably be squarely within one of the NE area states. I can do VT, NH or RI with about the same ease, so I will take requests and whichever state gets the most requests will be my operating venue.

One caveat, if anyone tells me that they intend a serious effort from one of those states, I may scratch it off the list, the idea being to put out needed states and multipliers for the 'test.

I want to decide over the next week or so, to give me time to scope out a good location. When I went to DE, I was there on business, and wing'ed it after the convention. This really hampered my ability to put up a decent antenna, so I went with a mobile whip and a 30-foot wire tossed up over a small tree, up about 10 feet, FAR from ideal. (Those that worked me done well!) What was worse was that the entire state of DE, at least near my hotel QTH, was buried in power-line noise, so I did good, too. I KNOW I lost a few QSOs due to noise, though.

I hope to be active on at least 40, 20 and 15, and may try to get something goint on 80 M, too.

Most important deal; I will have fun. I sometimes get so wrapped up in the work I get to do for ham radio I lose touch with the real part -- getting on the air and making a few contacts.

73,
Ed, W1RFI

End of QRP-L Digest 1397

